

## **TOTAL MAXIMUM DAILY LOAD (TMDL)**

### **For TSS, Turbidity, and Siltation for the Mermentau River Basin**

#### 303(d) listed segments

Bayou des Cannes 050101  
Bayou Joe Marcel 050102  
    Bayou Mallet 050103  
Bayou Plaquemine Brule 050201  
    Bayou Nezpique 050301  
    Beaver Creek 050302  
Lake Arthur and Mermentau River 050402  
    Bayou Queue de Tortue 050501  
Intracoastal Waterway 050602, 050702  
    Grand Lake 050701  
    White Lake 050703  
Bays and /Coastal Waters to State 3-mile Limit 050901

US EPA Region 6

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## **Executive Summary**

Numerous stream segments in the Mermentau watershed are listed for sediment related issues on the 1999 court-ordered 303(d) list for Louisiana. Fourteen segments are listed as having impairments related to total suspended solids (TSS) and six are listed as having general siltation limitations as a cause of impairment. A watershed approach was used in developing this TMDL. This approach is most appropriate when addressing predominately nonpoint source issues such as sediment where inputs are distributed throughout the watershed. TSS loads that will allow compliance with state established turbidity guidelines, have been calculated from relationships established for each subsegment.

This sediment loading TMDL addresses the thirteen listed segments in the Mermentau watershed. The TMDL establishes a relationship between the three specific listings relating them all ultimately to the primary concern of sediment load. Target load estimates were developed from regression analysis relationships between turbidity and total suspended solids (TSS) measurements. TSS loads that will allow compliance with State established turbidity criterion for the watershed have been calculated from relationships established for each subbasin in the watershed. This TMDL establishes that fluvial erosion processes in the watershed are by far the dominant contributor to these measured parameters. Therefore, this TMDL addresses inorganic suspended solids (i.e., soil and sediment particles from erosion or sediment resuspension) rather than organic suspended solids.

In the Mermentau River basin TMDL, water quality monitoring stations with historical water quality data were evaluated to establish site-specific relationships between turbidity and TSS. Mathematical expressions of this relationship were developed and used to calculate TSS values that if met, would allow compliance with the turbidity guideline in that watershed and reduce the potential for formation of bottom deposits. Because point source contribution of inorganic suspended solids were considered negligible, load allocations for nonpoint source contribution of TSS were set equal to the total allowable loads. An explicit margin of safety of 20% was also incorporated in this TMDL. Necessary reductions range from 0 to 43% with seven subsegments requiring no reductions in order to meet the established targets. This is not unexpected given that, in previous analyses, many of these watersheds were found to be meeting the turbidity guidelines established in the Louisiana water quality standards.

## **1. Introduction**

Section 303(d) of the Clean Water Act as amended by the Water Quality Act of 1987, and EPA's regulations at [40 CFR Part 130](#) require that each state identify those waters within its boundaries not meeting water quality standards. Section 303(d) of the Federal Clean Water Act further requires that states develop TMDL management plans for water bodies determined to be water quality limited. A TMDL documents the amount of a pollutant a water body can assimilate without violating the State's water quality standards. It also allocates that load capacity to known point sources and nonpoint sources. TMDLs are defined in [40 CFR Part 130](#) as the sum of the individual Waste Load Allocations (WLAs) for point sources and Load Allocations (LAs) for nonpoint sources, including a margin of safety and natural background conditions.

## **2. Study Area Description**

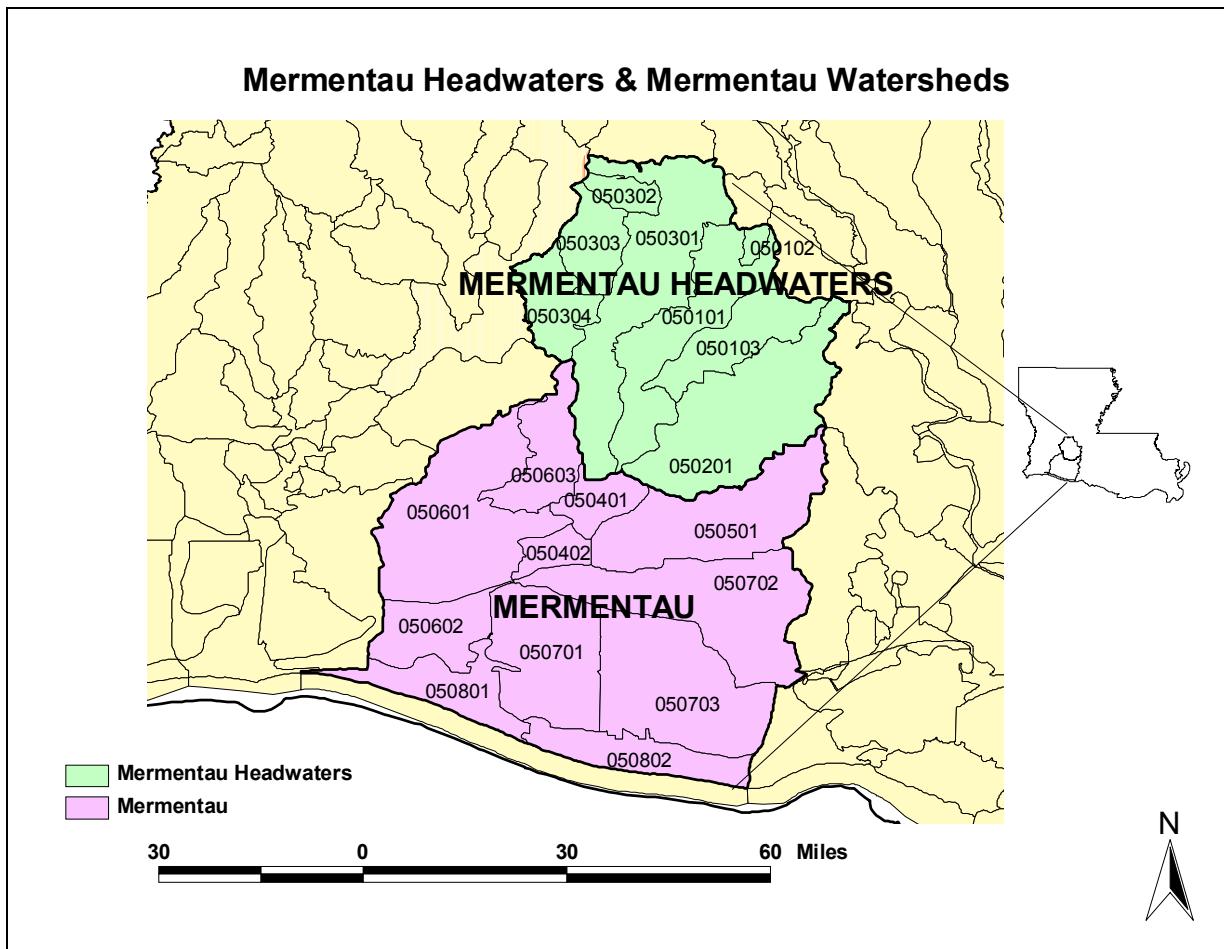
### **2.1 General Information**

The Mermentau River Basin, located in south central Louisiana, encompasses the prairie region of the state and a section of the coastal zone (Figure 1). The northern part of the basin is considered upland area dominated by flatwoods and prairie. Large expanses of flat grassland and scattered areas of oak trees and other mixed hardwoods characterize the prairie region. The southern portion of the basin, coastal area, is marshland. The slope of the land is generally north to south. Poor drainage and annual backwater flooding of agricultural lands characterize the region, especially in the prairie and marsh areas, due to its relatively low relief. The area is sparsely populated outside its small municipalities and land use is dominated by silviculture and agriculture in the upper half of the watershed and by agriculture in the lower half. The area is sparsely populated outside its small municipalities and land use is dominated by agriculture. Land uses for the Mermentau River watershed are summarized in Table 1.

Table 1. Land Use ( $\text{km}^2$ ) in the Mermentau River Watershed

Coverage Type	Area $\text{km}^2$	Percent of Watershed
Cropland and Pasture	5231.69	54.7
Mixed Forest	2191.7	22.9
Non forested Wetland	718.01	7.5
Forested Wetland	442.98	4.6
Water	402.13	4.2
Evergreen Forest	241.08	2.5
Urban	160.77	1.7
Deciduous Forest	124.61	1.3
Other	44.01	0.5
<b>TOTAL</b>	<b>9556.98</b>	<b>100.0</b>

Figure 1 Map of Mermentau Headwaters & Mermentau Watershed



## 2.2 Problem Statement

The segments shown in Table 2 were included on the 1999 court-ordered Louisiana 303(d) list as not fully supporting the water quality standard with TSS, siltation, and/or turbidity as the cause of nonsupport. These original assessments were based largely on the best professional judgment of Louisiana Department of Environmental Quality (LDEQ) regional coordinators, often without the benefit of quantitative data. It is believed that informal, qualitative visual observations, not quantitative data, were the basis for many of these listings.

### 2.2.1 Turbidity and TSS

Turbidity is the measure of the optical property of water that causes light to be either scattered or absorbed. Turbidity may be influenced by a number of factors but is primarily affected by suspended matter such as clay, silt, plankton, or microscopic organisms (APHA, 1992). These constituents are the same components that would contribute to TSS. Although

Table 2. 1999 Court ordered listings for the Mermentau basin

LDEQ Subsegment	Segment Description	Cause of Impairment
050101	Bayou des Cannes- Headwaters to Mermentau River	TSS
050102	Bayou Joe Marcel	TSS
050103	Bayou Mallet	TSS
050201	Bayou Plaquemine Brule- Headwaters to Bayou des Cannes	Siltation, TSS
050301	Bayou Nezpique	Siltation, TSS
050302	Beaver Creek - headwaters	Siltation, TSS
050402	Lake Arthur and Lower Mermentau	TSS
050501	Bayou Queue de Tortue	TSS, Siltation
050602	Intracoastal Waterway	TSS
050701	Grand Lake	TSS
050702	Intracoastal Waterway	TSS
050703	White Lake	TSS
050901	Bays and Gulf Waters to State 3-mile limit	Siltation, TSS

turbidity may be influenced by other factors, effects due to TSS will be captured in a turbidity measure. When evaluations were conducted, using available turbidity data, most of the waters listed for turbidity were found to be meeting the water quality guideline. These waters have been proposed for removal from the court-ordered 303(d) list by separate action (See 65 FR 32148, December 18, 2000). Any remaining turbidity listings are addressed in this TMDL.

The State of Louisiana has established acceptable numeric turbidity guidelines for many of its streams including the Mermentau River basin. The State has not established a numerical criterion for TSS. Given that there is no criterion for TSS in the Louisiana water quality standards and that there is a moderate to strong relationship between turbidity and TSS as evidenced by the correlation coefficients shown in Table 3, a listing under both parameters is considered here to be duplicative. A review of the origin of these listings also provides support for this argument. Turbidity listings on the court-ordered list almost always originated from the state's 305(b) or 303(d) lists while siltation and TSS listed waters originated largely from the state's nonpoint source list. EPA believes that since this duplicity occurs regularly it supports the belief that these duplicate listings were likely attributable to different ways of expressing the same concern of water impairment by different individuals charged with preparing 305(b) reports 303(d) lists or 319 assessments. Delisting has not been proposed for these segments in order to comply with the strictest interpretation of the consent decree. Independent evaluations have been performed to evaluate TSS as a separate listing.

## **2.2.2 Siltation**

Numerous waters are included on the Louisiana court-ordered 303(d) list as impacted due to siltation. As with TSS, there are no numeric guidelines or criteria for siltation and there is little or no existing information available that would allow a direct evaluation of stream substrate conditions. Louisiana's water quality standards provide a link between suspended solids and bottom deposits, stating that floating, settleable, and suspended solids shall not be present in quantities sufficient to cause long-term bottom deposits. For siltation, a water column measure, or indicator, may be used as a quantitative expression of water quality impacts. A water column characteristic that has been widely used as an indicator of the potential for sediment accumulation in streambeds is suspended sediment (EPA, 1999). Siltation may be described as the effect created as suspended matter from the water column settles to the stream bottom. Water column data for TSS is available from the Louisiana water-quality monitoring network. In this TMDL, TSS is used as an indicator for siltation or bottom deposits resulting from inorganic sediment loads.

## **2.3 Water Quality Standards**

Designated uses include: primary contact recreation; secondary contact recreation; propagation of fish and wildlife; agricultural use for segments 050102, 050103, 050201, 050301, 050401, 050501, 050602, 050701, 050702, and 050703; and oyster propagation for segment 050901.

Numeric criterion for turbidity may be found in the Louisiana Water Quality Standards at §1113.B.9. This reads:

“Turbidity

- a) Turbidity other than that of natural origin shall not cause substantial visual contrast with the natural appearance of the waters of the state or impair any designated water use. Turbidity shall not significantly exceed background; background is defined as the natural condition of the water. Determination of background will be on a case-by-case-basis.
- b) As a guideline, maximum turbidity levels, expressed as nephelometric turbidity units (NTU), are established and shall apply for the following named water bodies and major aquatic habitat types of the state:
  - i.) Red, Mermentau, Atachafalya, Mississippi, and Vermilion Rivers and Bayou Teche—150 NTU;
  - ii.) Estuarine lakes, bays, bayous, and canals—50 NTU;
  - iii.) Amite, Pearl, Ouachita, Sabine, Calcasieu, Tangipahoa, Tickfaw, and Techefuncte Rivers—50 NTU;
  - iv.) Freshwater lakes, reservoirs, and oxbows—25 NTU;
  - v.) Designated scenic streams and outstanding natural resource waters not specifically listed in Subsection B.9.b.i-iv of this Section—25 NTU;
  - vi.) For other state waters not included in Subsection B1.9.bi-v of this Section, and in waterbody segments where natural background turbidity exceeds the values specified in these clauses, turbidity in NTU caused

by any discharges shall be restricted to the appropriate background value plus 10 percent. This shall not apply to designated intermittent streams.”

Narrative criteria related to the water quality characteristics for TSS and siltation are found at §1113.B.3. This reads:

“Floating, Suspended, and Settleable Solids. There shall be no substances present in concentrations sufficient to produce distinctly visible solids or scum, nor shall there be any formation of long-term bottom deposits of slimes or sludge banks attributable to waste discharges from municipal, industrial, or other sources including agricultural practices, mining, dredging, and the exploration for and production of oil and natural gas. The administrative authority may exempt certain short-term activities permitted under Sections 402 or 404 and certified under Section 401 of the Clean Water Act, such as maintenance dredging of navigable waterways or other short-term activities determined by the state as necessary to accommodate to legitimate uses or emergencies or to protect the public health and welfare.”

## 2.4 Target Determination

To develop a TMDL it is necessary to establish quantitative measures, or indicators, that can be used to establish the relationship between pollutant sources and their impact on water quality. Once an indicator has been selected, a target value for that indicator which distinguishes between the impaired and unimpaired state of the waterbody (e.g. 25 mg/l TSS, or no more than 1000 tons/year sediment yield on average) must be established (USEPA, 1999). Often indicators needed to establish a TMDL are specified as a water quality standard. For example, turbidity no greater than 150 nephelometric turbidity units (NTU) has been adopted as part of the States water quality standards. Often the water quality standard, as in the case with bottom-deposits, is established as a narrative with no associated numeric value. When such numeric values are not available, a target value must be developed for the selected indicator. Where such target values that are representative of the narrative standard are developed, the targets themselves are not water quality standards; rather, they are waterbody-specific numeric targets used by EPA to assess if a water body would be reasonably expected to be impaired based on the state’s narrative standard. In this case the narrative standard addresses suspended solids and its relationship to formation of stream-bottom deposits but does not establish a numeric value for its evaluation.

EPA developed target values or screening levels do not represent a water quality criterion or standard; rather, it is a numeric target used by EPA to assess if a water body would be reasonably expected to be impaired based on the state’s no toxics in toxic amounts narrative criterion.

As previously stated, one method of establishing a TMDL target is to establish a relationship between two measured parameters, one of which has a numeric standard. These TMDLs have been developed using an established relationship between turbidity and TSS. Where such functional relationships are used, they must be derived based on site-specific or comparable reference data.

### **2.4.1 Establishing the relationship**

In the Mermentau River basin, historical water quality data collected by LDEQ from established sub-basin monitoring stations from 1980 to present were evaluated using correlation and simple linear regression analyses to determine the subsegment relationship between turbidity and TSS. Additionally, scatter plots of TSS vs. turbidity, such as the one in Figure 2 were created. As can be seen, the plotted points of turbidity and TSS follow a discernable linear pattern in which TSS increases as turbidity increases. This was expected as indicated in our previous discussion of TSS and turbidity. The strength of this relationship is measured using the correlation coefficient ( $r$ ). The correlation coefficient can be calculated by taking the square root of the coefficient of determination ( $R^2$ ) from the regression analysis. As the value of  $r$  approaches one, the relationship is said to have a high correlation and thus a strong relationship. Taking the square root of the  $R^2$  value of 0.56 shown in Figure 1 results in a correlation coefficient of 0.75 indicating there is a strong correlation or relationship between these two parameters. Consequently, a meaningful mathematical expression of this relationship may be established using simple linear regression.

A simple linear regression analysis can be used to determine the mathematical equation that represents the relationship between TSS and turbidity. This equation can then be used to predict the TSS value when the turbidity value is known. As mentioned above, a scatter plot can be created to graphically show the relationship between the two parameters by plotting the observed TSS values against the observed turbidity values. Adding the “best fit line” through the points on the graph provides a visual representation of the mathematical equation from the regression analysis and the observed data points. The mathematical equation represented by this “best fit line” can be used to predict a value of  $y$  for a given value of  $x$ . This line is expressed mathematically by the general formula,  $y = b(x) + c$ , where  $y$  is the predicted value of the dependent variable (TSS in this case),  $x$  is the known or observed value of the independent variable (turbidity in this case),  $b$  is the slope of the line and  $c$  is a constant. This segment specific formula can then be used to calculate a TSS concentration, in mg/L, for a given turbidity value. The strength of the linear relationship is measured by the coefficient of determination ( $R^2$ ) calculated during the regression analysis (Zar, 1996). Therefore, the  $R^2$  value is the percentage of the total variation in  $y$  (TSS) that is explained or accounted for by the fitted regression ( $x$ ). Therefore, using the example above, 56% of the variation in TSS is accounted for by turbidity with the remaining 44% of variation in TSS being unexplained. Applying the formula for the line in Figure 2, a target TSS concentration may be calculated by substituting the appropriate turbidity guideline (150 NTU) for  $x$  and solving the equation for  $y$ . The resulting value is the associated TSS value (mg/L) that would allow for compliance with the turbidity guideline (NTU).

Using the process described above, coefficient and regression analyses were run for each of the listed subsegments producing separate regression equations. All of the equations were statistically significant at an alpha level of  $< 0.001$ , except subsegment 050402, which was statistically significant at an alpha level of 0.10 (Table 3). From these equations, target TSS values were calculated for each of the listed subsegments in the Mermentau watershed.

Figure 2. Typical Turbidity vs TSS scatter plot for Bayou Teche.

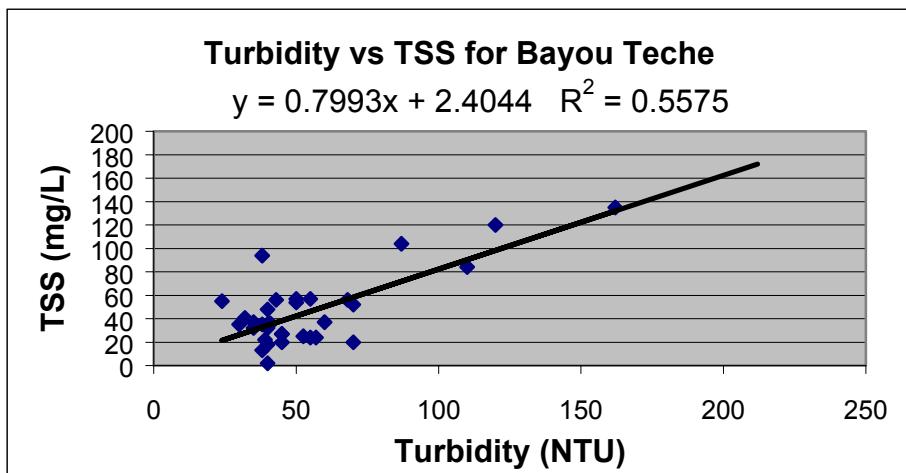


Table 3. Target calculations for the Mermentau watershed.

LDEQ Subseg-ment	Segment Description	Turbidity Guideline (NTU)	TSS Guideline (mg/L)	Calculated Ambient TSS (mg/l)	Correlation Coefficient (r)	p-value
050101	Bayou des Cannes <sup>a</sup>	150	68	35	0.58	<0.001
050102	Bayou Joe Marcel <sup>1sa</sup>	150	194	91 <sup>m</sup>	0.76	<0.001
050103	Bayou Mallet <sup>1sa</sup>	150	194	93 <sup>m</sup>	0.76	<0.001
050201	Bayou Plaquemine Brule <sup>a</sup>	150	91	104	0.60	<0.001
050301	Bayou Nezpique <sup>a</sup>	150	88	93	0.53	<0.001
050302	Beaver Creek <sup>sa</sup>	150	136	18 <sup>m</sup>	0.57	<0.001
050402	Lake Arthur and Lower Mermentau <sup>sa</sup>	25	29	28 <sup>m</sup>	0.51	0.10
050501	Bayou Queue de Tortue <sup>a</sup>	150	63	111	0.54	<0.001
050602	Intracoastal Waterway <sup>2 sa</sup>	150	106	56 <sup>m</sup>	0.80	<0.001
050701	Grand Lake <sup>3a</sup>	25	60	37 <sup>m</sup>	0.65	<0.001
050702	Intracoastal Waterway <sup>2 sa</sup>	150	106	137 <sup>m</sup>	0.80	<0.001
050703	White Lake <sup>3a</sup>	25	89	107	0.65	<0.001
050901	Bays and Gulf Waters to State 3-mile Limit <sup>sa</sup>	50	235	382 <sup>m</sup>	0.99	<0.001

1. Data combined for regression analysis
2. Data combined for regression analysis
3. Data combined for regression analysis

a – annual data over multiple years  
 sa – semi annual data (Jun – Dec 1998)  
<sup>m</sup> – small data set (N<25)

## **2.5 TSS Sources**

Two primary sources of TSS and sediment are erosional processes in the watershed and resuspension of bottom deposits to the water column. Particulate matter resulting from the weathering of host rock is delivered to stream channels through various erosional processes, including sheetwash, gully and rill erosion, wind, landslides, dry ravel, and human excavation. Additionally, sediments are often produced as a result of stream channel and bank erosion and channel disturbance. Movement of eroded sediments downslope from their points of origin into stream channels and through stream systems is influenced by multiple interacting factors. Eroded sediments are often trapped on hillslopes and stored in and alongside stream channels (US EPA, 1999). During high flow events stored sediment become mobilized and suspend in the water column. As the flow decreases the suspended solids settle downstream. Settled suspended solids (bottom sediment) can become resuspended in the water column during times of increased stream flow and by wind and wave action in shallow lakes.

### **2.5.1 Nonpoint Sources**

The most significant source of TSS and sediment in this watershed is suspended solids in wet weather runoff. Much of this sediment load comes from upland areas of the watershed that have developed more agricultural uses. Land use analysis shows that 72% of the land in the upland area is in cropland or pasture. Sediment load in the lower portions of the watershed, where the predominant land use type is marsh, is a result of inputs from the upland uses and wave and wind action that causes this material to be re-suspended.

### **2.5.2 Point Sources**

Point sources do not represent a significant source of TSS as defined in this TMDL. Point sources discharge primarily organic TSS, which does not contribute to habitat impairment resulting from sedimentation. Because the point sources are minor contributors and discharges of organic suspended solids from point sources are already addressed by LDEQ through their permitting of point sources to maintain water quality standards for DO, the wasteload allocations for point source contributions were set to zero. This TMDL only addresses the landform contribution of TSS/sediment and does not address the insignificant point source contributions.

## **3. TMDL Load Calculations**

### **3.1 Calculation of Loads**

Load allocations are calculated by first calculating the allowable load as expressed by the TSS target value. This is accomplished by the formula:

$$\text{Load (lbs/day)} = \text{Flow (mgd)} * \text{TSS concentration (mg/l)} * 8.34$$

where 8.34 is a constant for unit conversions and concentration values for target and ambient conditions are from Table 3. The resulting values are shown in Table 4.

The flow at the outfall of each subsegment was calculated based on the area of the subsegment and a rate that predicts the flow per square mile of area. USGS stations were used as appropriate to the drainage area under consideration. The segment relationships are graphically represented in Appendix B.

### **3.2 Total Maximum Daily Load**

This TMDL is expressed in terms of percent reduction needed to achieve the target TSS load for the listed subsegments. The TSS percent reductions are expressed in Table 4.

Table 4. Calculation of Target Allocations and Current Condition Loads

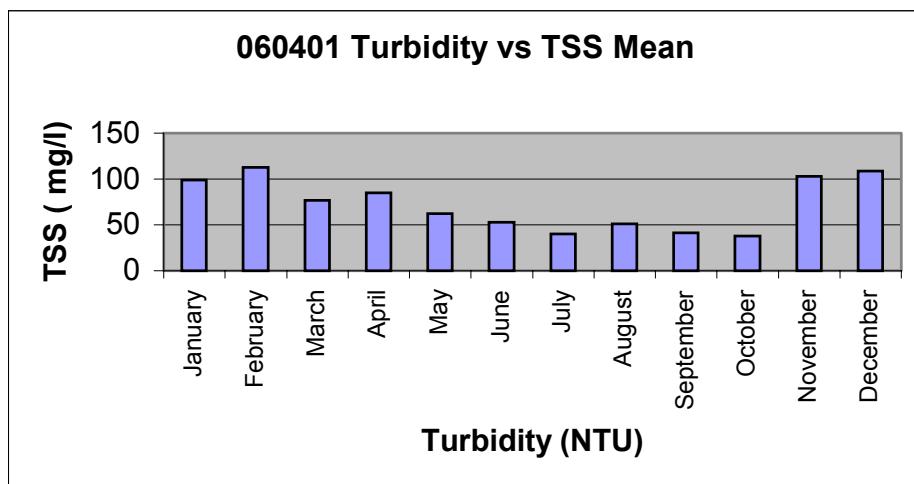
Sub-Segment Number	Stream Description	Flow (mgd)	TMDL Loading (lbs/day)	Ambient Stream Loading (lbs/day)	20% MOS	Percent Reduction
050101	Bayou des Cannes	534	302842	155875	60568	0%
050102	Bayou Joe Marcel	20	32359	15179	6472	0%
050103	Bayou Mallet	193	312266	149695	62453	0%
050201	Bayou Plaquemine Brule	509	386300	441486	77260	13%
050301	Bayou Nezpique	420	308246	325760	61649	5%
050302	Beaver Creek	40	45370	6005	9074	0%
050402	Lake Arthur and Lower Mermentau	2014	487106	470309	97421	0%
050501	Bayou Queue de Tortue	416	218575	385108	43715	43%
050602	Intracoastal Waterway	150	132606	70056	26521	0%
050701	Grand Lake	2308	1154923	712203	230985	0%
050702	Intracoastal Waterway	403	356268	460460	71254	23%
050703	White Lake	1116	828362	995896	165672	17%
050901	Bays and Gulf waters to 3-mile limit	194	380221	618061	76044	38%

### **3.3 Seasonal Variation**

Section 303(d)(1) requires that all TMDLs be “established at a level necessary to implement the applicable water quality standard with seasonal variations”. Seasonal variability was considered in calculating the current condition TSS values. A review of the data shows that, in general, values greater than the target values are more likely to occur in the months of

February through May. Because of this uneven distribution of exceedances it was determined that a simple arithmetic mean was not appropriate for establishing the current condition. First, to determine if there was a critical period, the data for a subsegment was segregated into months for which a monthly mean value was calculated. The monthly mean was then compared to the target TSS value. The four months with the greatest average were then averaged to get an estimation of the current ambient condition. For example, in the chart below the months of November through February are the highest four months. The average was taken of these four months to represent the current condition. For small data sets ( $n < 25$ ), monthly mean TSS values were calculated to determine the highest four months. The average was then taken using the individual data points for those months. This approach address the critical period for TSS loading.

Figure 3. General Example of Monthly Means of Subsegment 060401



### 3.4 Margin of Safety

The Clean Water Act requires that each TMDL be established with a margin of safety (MOS). This requirement for a MOS is intended to account for uncertainty in available data or in the actual effect controls will have on the loading reductions and receiving water quality. A MOS may be expressed explicitly as unallocated assimilative capacity or implicitly through conservative analytical assumptions used in establishing the TMDL. The MOS is not intended to compensate for failure to consider known sources. An explicit MOS of 20% is expressed in this TMDL.

## 4. Reasonable Assurance and Other Relevant Information

LDEQ receives federal funding under the Clean Water Act Section 319(h) Nonpoint Source program. The Louisiana Nonpoint Source Management Plan identifies that the LDEQ

will continue to work cooperatively with the federal, state and local partners that assist them in implementation of statewide educational programs and watershed protection and restoration projects to restore the designated uses of waterbodies. The Management Plan also identifies the State's goal to address nonpoint sources of pollution in the Mermentau/Vermilion basin by the end of 2007. It is anticipated that the state will evaluate if actions have been successful in restoring designated uses in the Mermentau/Vermilion by the end of 2008.

Although not required by this TMDL, LDEQ utilizes funds under Section 106 of the federal Clean Water Act and under the authority of the Louisiana Environmental Quality Act to operate an established program for permitting, enforcement and monitoring the quality of the state's surface waters. The LDEQ Surveillance Section collects surface water samples at various locations, utilizing appropriate sampling methods and procedures for ensuring the quality of the data collected. The objectives of the surface-water monitoring program are to determine the quality of the state's surface waters, to develop a long-term database for water quality trend analysis, and to monitor the effectiveness of pollution controls. The data obtained through the surface-water monitoring program is used to develop the state's biennial 305(b) report (*Water Quality Inventory*) and the 303(d) list of impaired waters. This information is also utilized in establishing priorities for the LDEQ nonpoint source program.

LDEQ has implemented a watershed approach to surface water quality monitoring. Through this approach, the entire state is sampled over a five-year cycle with two targeted basins sampled each year. Long-term trend monitoring sites at various locations on the larger rivers and Lake Pontchartrain are sampled throughout the five-year cycle. Sampling is conducted on a monthly basis or more frequently if necessary to yield at least 12 samples per site each year. Sampling sites are located where they are considered to be representative of the waterbody. Under the current monitoring schedule, targeted basins follow the TMDL priorities. In this manner, the first TMDLs will have been established by the time the first priority basins are monitored again in the second five-year cycle. This will allow the LDEQ to determine whether there has been any improvement in water quality following establishment of the TMDLs. As the monitoring results are evaluated at the end of each year, waterbodies may be added to or removed from the 303(d) list. The sampling schedule for the first five-year cycle is shown below. The Mermentau River Basin will be sampled again in 2003.

- 1998 – Mermentau and Vermilion-Teche River Basins
- 1999 - Calcasieu and Ouachita River Basins
- 2000 – Barataria and Terrebonne Basins
- 2001 – Lake Pontchartrain Basin and Pearl River Basin
- 2002 – Red and Sabine River Basins

(Atchafalaya and Mississippi Rivers will be sampled continuously.)

## **5. Public Participation**

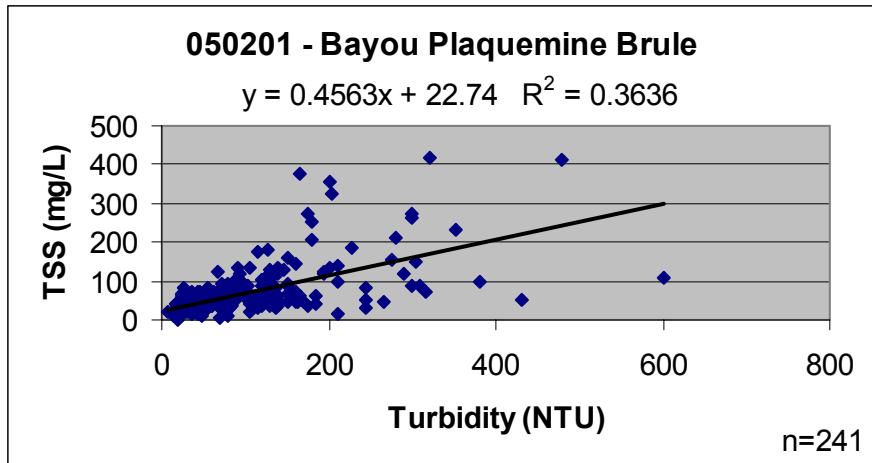
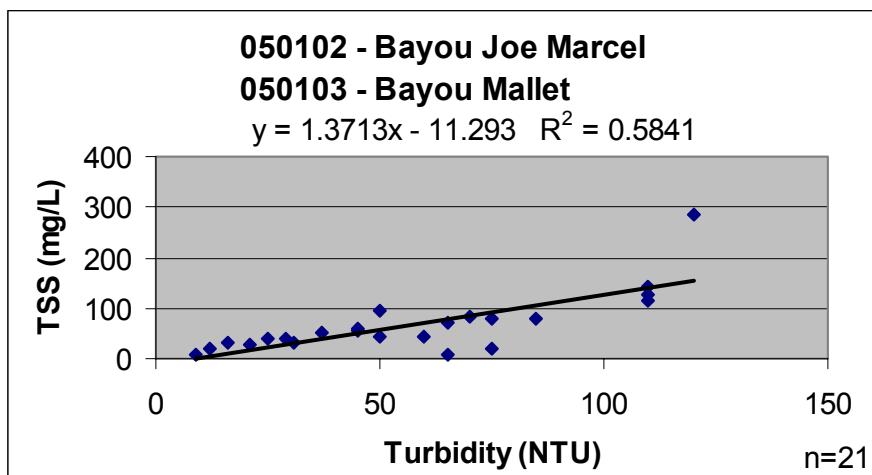
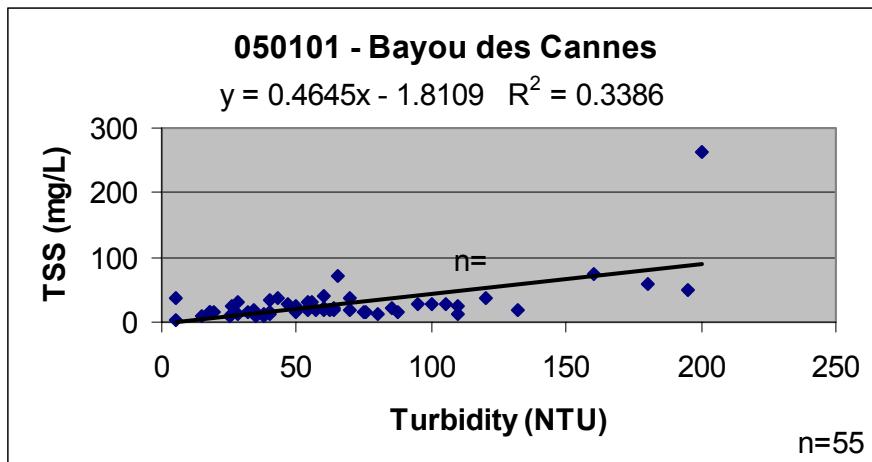
When EPA establishes a TMDL, 40 C.F.R. § 130.7(d)(2) requires EPA to publicly notice and seek comment concerning the TMDL. Pursuant to an October 1, 1999, Court Order, EPA prepared this TMDL. After submission of this TMDL to the Court, EPA commenced preparation of a notice seeking comments, information and data from the general and affected public. Comments and additional information were submitted during the public comment period and this Court Ordered TMDL was revised accordingly. EPA has transmitted this revised TMDL to the Court, and to the Louisiana Department of Environmental Quality (LDEQ) for incorporation into LDEQ's current water quality management plan.

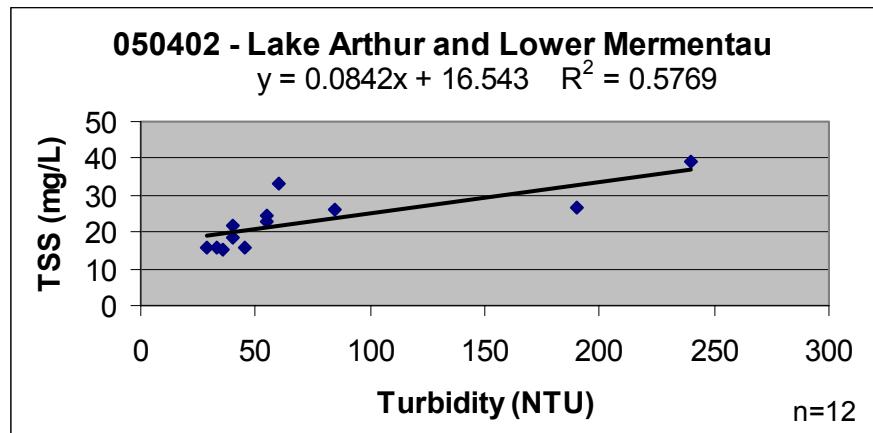
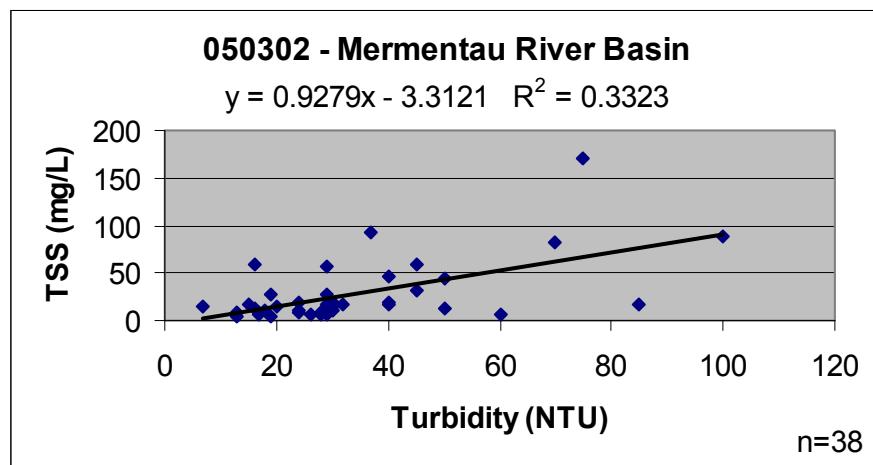
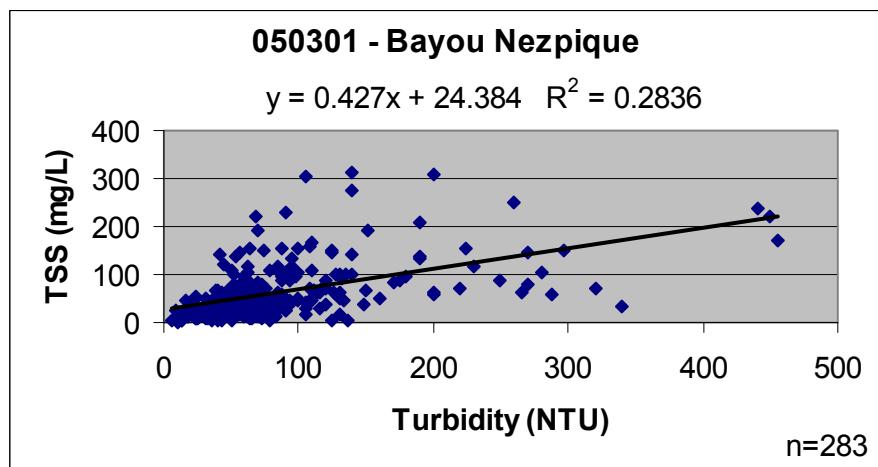
## **REFERENCES**

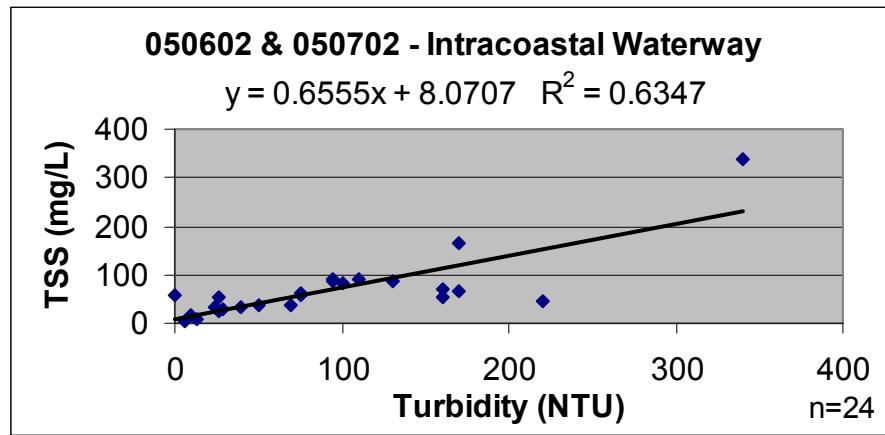
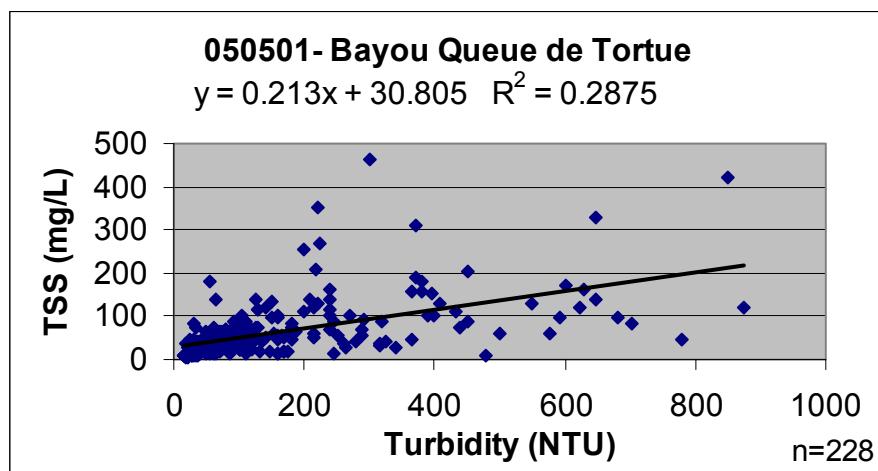
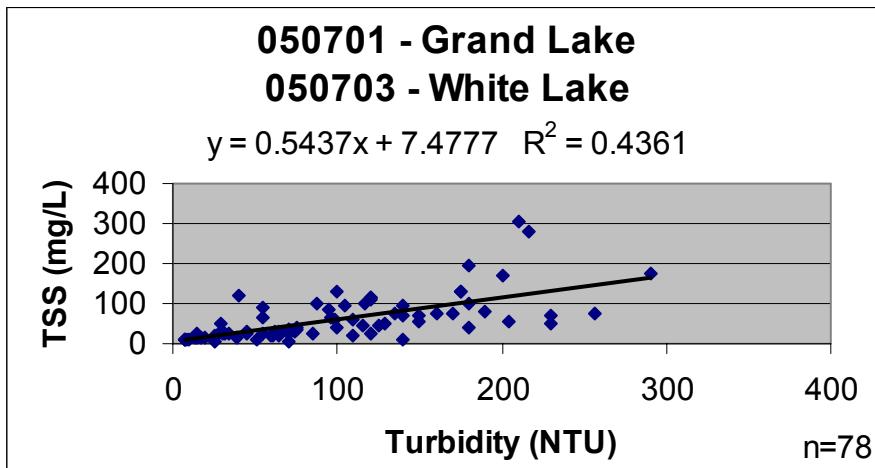
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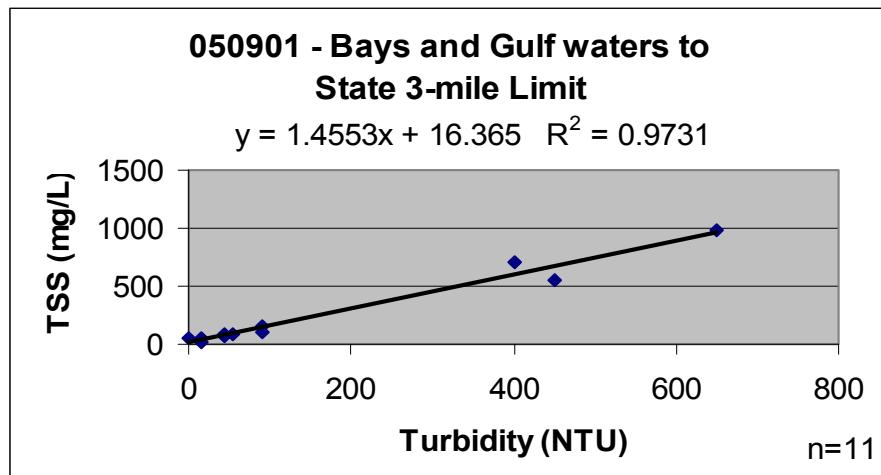
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**APPENDIX A: Scatter plots for each regression analysis  
including regression equation and R<sup>2</sup> value**









## APPENDIX B: Flow Calculation Methodology

seg	area	rate	flow(cfs)	seg	area	rate	flow(cfs)	seg	area	rate	flow(cfs)	Flow at Seg end
050102	14.37	2.11	30.3207									30 20
				050302	38.67	1.59	61.4853					61 40
				050301	369.60	1.59	587.664					649 420
								050103	141.30	2.11	298.143	298 193
								050101	250.40	2.11	528.344	826 534
					050201	372.90	2.11	786.819				787 509
					050501	305.20	2.11	643.972				644 416
050401	67.11	1.59	106.705									3043 1967
050402	45.54	1.59	72.4086									3116 2014
050701	257.61	1.769	455.712									3572 2308
Catfish Point outflow			2392.95									2393 1547
SchoonerBayou outflow			1178.62									1179 762
				050703	344.60	1.59	547.914					1727 1116

XXXXXXXXX

direct discharge

050602	131.31	1.769	232.287									232 150
050702	352.16	1.769	622.971									623 403
050901	170.08	1.769	300.872									301 194

The flow at the outfall of each subsegment was calculated based on the area of the subsegment and a rate that predicts the flow per square mile of area. Six stations were used to establish the rates and calibrate the flows at the observed stations. ***The stations were used as appropriate to the drainage area under consideration.*** This method uses the gage flow to be a composite of the base flow of the stream, the rainfall runoff on the drainage area above that point, the distributaries, the withdrawals from the stream, the point discharges, and return flow of the withdrawals from the stream. Six stations were used to prepare the subsegment flows for basins 5 and 6. The USGS stations were 08012000 on Bayou Nezpique; 08010000 on Bayou Des Cannes; 07382500 on Bayou Courtaleau; 07383500 on Bayou Des Glaises; 07385500 on Bayou Teche, Arnaudville; 07385700 on Bayou Teche, Keystone (USGS 1997). The subsegment relationships are graphically represented in the table presented above. An Ishikawa type diagram was used to represent the tributary system of the basin in a spreadsheet format. Each row of the spreadsheet represents one subsegment, or a subsegment transfer flow. The subsegment number for the row will be listed in one of three columns. The far left column has the subsegments that represent the main stem of the stream, flowing from the top of the page down. Tributary subsegments are listed in the second or third column with the label “seg”. The point that the tributary flows into the main stem is represented by a horizontal line under the segment number extending to the left and intersecting with the column one vertical line (which represents the main stem). Multiple subsegments on a tributary will be depicted with a vertical in the “seg”

column, with horizontal lines tying into it. The lowest tributary subsegment that flows into the main stem will have a horizontal line under the segment number extending to the left and intersecting with the column one vertical line. A tributary to a tributary will be shown in the third column labeled “seg”. For readability, the subsegment number has been repeated in the last column on the right. To obtain the average flow at the outflow of a segment, find the subsegment number in the far right column. The column to the left will be the flow in MGD, the column to the left of that will be the flow in CFS.

## **APPENDIX C: Ambient Monitoring Data**

SITE	SITE NAME	SUBSEGMENT	DATE	TURB	TSS
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/15/91	64	20
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/12/91	95	28
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/14/91	70	19
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/16/91	38	8
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/10/91	28	32
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/19/91	5.1	38
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/7/92	62	19
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/10/92	54	20
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/11/92	195	48
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/14/92	38	12
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/15/92	26	24
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/17/92	64	21
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/12/93	76	15
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/9/93	75	14
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/11/93	80	12
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/13/93	60	39
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/14/93	18	16
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/16/93	56	31
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/11/94	120	38
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/15/94	100	28
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/11/94	160	74
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/12/94	54	32
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/13/94	50	24
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/15/94	40	16
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/10/95	200	264
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/14/95	110	24
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/9/95	180	60
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/11/95	46.5	27
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/12/95	18	15
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/13/95	40	13
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/8/96	105	28
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/11/96	70	38
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/13/96	132	19
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/9/96	40	34
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/9/96	15	10
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/18/96	43	36.7
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/7/97	60	21.9
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/10/97	87.5	16
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/12/97	245	4
0308	Bayou Des Cannes northeast of Jennings, LA	050101	7/14/97	60	18
0308	Bayou Des Cannes northeast of Jennings, LA	050101	9/8/97	50	18
0308	Bayou Des Cannes northeast of Jennings, LA	050101	11/18/97	50	22
0308	Bayou Des Cannes northeast of Jennings, LA	050101	1/12/98	57	19
0308	Bayou Des Cannes northeast of Jennings, LA	050101	3/9/98	190	0
0308	Bayou Des Cannes northeast of Jennings, LA	050101	5/11/98	110	11
0647	Bayou des Cannes	050101	6/23/98	25	9.5
0647	Bayou des Cannes	050101	7/14/98	32	14

0647	Bayou des Cannes	050101	7/28/98	65	72
0647	Bayou des Cannes	050101	8/11/98	55	26
0647	Bayou des Cannes	050101	8/25/98	34	18
0647	Bayou des Cannes	050101	9/8/98	19	16
0647	Bayou des Cannes	050101	9/22/98	5.5	4
0647	Bayou des Cannes	050101	10/13/98	28	13.5
0647	Bayou des Cannes	050101	10/28/98	26	11.5
0647	Bayou des Cannes	050101	11/9/98	35	10.5
0647	Bayou des Cannes	050101	11/23/98	50	14
0647	Bayou des Cannes	050101	12/15/98	85	23
0648	Bayou Joe Marcel	050102	6/23/98	45	54
0648	Bayou Joe Marcel	050102	7/14/98	120	286
0648	Bayou Joe Marcel	050102	7/28/98	0	0
0648	Bayou Joe Marcel	050102	8/11/98	37	50
0648	Bayou Joe Marcel	050102	8/25/98	29	40
0648	Bayou Joe Marcel	050102	9/8/98	25	39
0648	Bayou Joe Marcel	050102	9/22/98	21	26
0648	Bayou Joe Marcel	050102	10/13/98	16	31
0648	Bayou Joe Marcel	050102	10/27/98	65	7.5
0648	Bayou Joe Marcel	050102	11/9/98	12	19
0648	Bayou Joe Marcel	050102	11/23/98	31	31
0648	Bayou Joe Marcel	050102	12/8/98	110	113
0649	Bayou Mallet	050103	6/23/98	75	79
0649	Bayou Mallet	050103	7/14/98	110	142
0649	Bayou Mallet	050103	7/28/98	70	84
0649	Bayou Mallet	050103	8/11/98	50	44
0649	Bayou Mallet	050103	8/25/98	65	72
0649	Bayou Mallet	050103	9/8/98	85	80
0649	Bayou Mallet	050103	9/22/98	9	7
0649	Bayou Mallet	050103	10/13/98	60	42
0649	Bayou Mallet	050103	10/28/98	45	58
0649	Bayou Mallet	050103	11/9/98	50	94
0649	Bayou Mallet	050103	11/23/98	110	125
0649	Bayou Mallet	050103	12/15/98	75	20
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/12/78	54	84
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/13/79	120	56
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/17/79	275	156
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/15/79	190	0
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/11/79	58	92

0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/14/79	0	0
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/10/80	0	104
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/13/80	32	46
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/17/80	36	72
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/9/81	90	136
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/9/81	130	130
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/10/81	32	62
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/8/82	130	104
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/12/82	185	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/10/82	125	110
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/14/82	50	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/12/82	34	28
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/9/82	56	78
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/15/82	53	52
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/11/83	160	72
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/9/83	48	12
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/15/83	64	44

0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/12/83	280	210
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/9/84	44	26
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/14/84	304	152
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/13/84	195	120
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/9/84	380	100
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/14/84	50	44
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/11/84	108	60
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/9/84	82	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/13/84	0	46
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/10/84	40	22
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/8/84	32	20
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/13/84	60	42
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/10/84	130	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/14/85	133	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/11/85	480	410
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/11/85	245	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/8/85	352	230
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/13/85	185	62
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/10/85	140	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/8/85	165	60
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/14/85	102	90
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/18/85	37	18
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/9/85	170	48
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/13/86	126	64
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/17/86	142	48
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/17/86	80	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/14/86	162	46
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/12/86	80	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/10/86	72	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/14/86	43.5	56
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/11/86	31	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/8/86	19	22
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/13/86	43.9	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/17/86	40	22
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/16/87	204	324
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/9/87	80	48
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/13/87	136	84
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/14/87	21	16
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/14/87	60	64

0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/11/88	75	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/8/88	75	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/14/88	85	36
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/13/88	31	26
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/11/88	42	72
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/15/88	37	16
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/10/89	152	88
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/14/89	105	40
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0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/9/89	136	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/13/89	102	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/11/89	36	20
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/15/89	48	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/12/89	39	22
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/10/89	43	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/14/89	26	20
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/12/89	87.5	66
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/9/90	80	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/13/90	120	70
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/13/90	85	60
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/10/90	128	68
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/15/90	114	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/12/90	45	19
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/10/90	31	31
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/14/90	25	42
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/11/90	12	19
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/16/90	21	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/14/90	41	30
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/11/90	80	72
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/15/91	74	24
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/4/91	136	66
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/12/91	74	36
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/15/91	320	420
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/14/91	70	36
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/10/91	78	10
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/16/91	74	64
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/12/91	76	90
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/10/91	60	58
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/14/91	60	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/19/91	38	20
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/10/91	98	60
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/7/92	52.5	36

0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/10/92	195	124
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/10/92	78	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/6/92	245	84
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/12/92	75	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/15/92	88	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/14/92	39	30
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/10/92	34	44
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/15/92	24	14
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/12/92	78	74
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/17/92	87.5	72
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/14/92	150	94
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/12/93	98	94
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/8/93	150	48
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/9/93	120	36
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/12/93	105	20
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/11/93	175	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/14/93	34	34
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/13/93	50	43
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/9/93	38	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/14/93	16	15
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/11/93	25	18
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/16/93	85	56
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/13/93	85	56
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/11/94	120	46
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/7/94	600	110
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/15/94	120	86
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/11/94	140	60
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/10/94	120	63
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/13/94	180	252
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/12/94	128	178
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/8/94	50	36
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/13/94	40	20
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/10/94	30	31
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/15/94	25	17
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/12/94	50	34
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/10/95	130	58
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/13/95	300	90
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/14/95	180	204
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/3/95	210	98
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/9/95	160	142
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/12/95	80	76
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/11/95	52.5	67
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/14/95	130	72
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/12/95	23	26
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/9/95	25	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/13/95	70	58
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/11/95	80	70
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/8/96	200	132
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/12/96	150	1280

0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/11/96	130	56
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/8/96	300	272
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/13/96	42	15
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/10/96	17	41
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/9/96	35	34
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/12/96	32	24
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/9/96	23	28
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/14/96	39	22
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/18/96	93	116
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/10/96	57	42
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/7/97	70	77
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/17/97	123	66
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/10/97	105	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/14/97	228	188
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/12/97	245	32
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	6/9/97	123	52
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	7/14/97	80	60
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	8/11/97	28	19
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	9/8/97	26	22
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	10/13/97	45	35.9
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	11/17/97	85	40
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	12/8/97	60	38
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	1/12/98	78	28
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	2/9/98	290	120
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	3/9/98	310	90
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	4/13/98	160	46
0004	Bayou Plaquemine Brule near Estherwood, LA	050201	5/11/98	160	50
0650	Bayou Plaquemine Brule	050201	6/23/98	45	14
0650	Bayou Plaquemine Brule	050201	7/14/98	33	22
0650	Bayou Plaquemine Brule	050201	7/28/98	23	66
0650	Bayou Plaquemine Brule	050201	8/11/98	14	20
0650	Bayou Plaquemine Brule	050201	8/25/98	24	16
0650	Bayou Plaquemine Brule	050201	9/8/98	14	12.5
0650	Bayou Plaquemine Brule	050201	9/22/98	15	20
0650	Bayou Plaquemine Brule	050201	10/13/98	26	24
0650	Bayou Plaquemine Brule	050201	10/28/98	23	23
0650	Bayou Plaquemine Brule	050201	11/9/98	45	21
0650	Bayou Plaquemine Brule	050201	11/23/98	50	20
0650	Bayou Plaquemine Brule	050201	12/15/98	70	4
0005	Bayou Nezpique north of Basile, LA	050301	3/7/78	140	142
0005	Bayou Nezpique north of Basile, LA	050301	4/11/78	440	0
0005	Bayou Nezpique north of Basile, LA	050301	5/9/78	0	0
0005	Bayou Nezpique north of Basile, LA	050301	6/13/78	87	154
0005	Bayou Nezpique north of Basile, LA	050301	7/11/78	23	50
0005	Bayou Nezpique north of Basile, LA	050301	8/15/78	18	34
0005	Bayou Nezpique north of Basile, LA	050301	9/12/78	56	78
0005	Bayou Nezpique north of Basile, LA	050301	10/10/78	52	42
0005	Bayou Nezpique north of Basile, LA	050301	12/12/78	56	76
0005	Bayou Nezpique north of Basile, LA	050301	1/9/79	30	14

0005	Bayou Nezpique north of Basile, LA	050301	2/13/79	73	10
0005	Bayou Nezpique north of Basile, LA	050301	4/17/79	230	0
0005	Bayou Nezpique north of Basile, LA	050301	5/15/79	85	0
0005	Bayou Nezpique north of Basile, LA	050301	6/11/79	25	0
0005	Bayou Nezpique north of Basile, LA	050301	8/14/79	0	0
0005	Bayou Nezpique north of Basile, LA	050301	9/11/79	52	0
0005	Bayou Nezpique north of Basile, LA	050301	10/9/79	56	144
0005	Bayou Nezpique north of Basile, LA	050301	11/6/79	54	68
0005	Bayou Nezpique north of Basile, LA	050301	12/10/79	150	66
0005	Bayou Nezpique north of Basile, LA	050301	1/15/80	69	24
0005	Bayou Nezpique north of Basile, LA	050301	2/12/80	73	28
0005	Bayou Nezpique north of Basile, LA	050301	3/11/80	125	146
0005	Bayou Nezpique north of Basile, LA	050301	4/15/80	45	50
0005	Bayou Nezpique north of Basile, LA	050301	5/13/80	105	304
0005	Bayou Nezpique north of Basile, LA	050301	6/10/80	0	98
0005	Bayou Nezpique north of Basile, LA	050301	8/12/80	0	0
0005	Bayou Nezpique north of Basile, LA	050301	9/16/80	23	56
0005	Bayou Nezpique north of Basile, LA	050301	10/14/80	11	14
0005	Bayou Nezpique north of Basile, LA	050301	11/18/80	46	30
0005	Bayou Nezpique north of Basile, LA	050301	12/9/80	68	222
0005	Bayou Nezpique north of Basile, LA	050301	1/13/81	40	0
0005	Bayou Nezpique north of Basile, LA	050301	2/10/81	85	118
0005	Bayou Nezpique north of Basile, LA	050301	3/10/81	105	42
0005	Bayou Nezpique north of Basile, LA	050301	4/14/81	140	274
0005	Bayou Nezpique north of Basile, LA	050301	5/12/81	125	152
0005	Bayou Nezpique north of Basile, LA	050301	6/9/81	53	58
0005	Bayou Nezpique north of Basile, LA	050301	7/14/81	52	100
0005	Bayou Nezpique north of Basile, LA	050301	8/11/81	17	46
0005	Bayou Nezpique north of Basile, LA	050301	9/15/81	38	68
0005	Bayou Nezpique north of Basile, LA	050301	10/13/81	35	46
0005	Bayou Nezpique north of Basile, LA	050301	11/17/81	57	16
0005	Bayou Nezpique north of Basile, LA	050301	12/15/81	100	156
0005	Bayou Nezpique north of Basile, LA	050301	2/9/82	95	132
0005	Bayou Nezpique north of Basile, LA	050301	3/9/82	84	44
0005	Bayou Nezpique north of Basile, LA	050301	4/13/82	200	310
0005	Bayou Nezpique north of Basile, LA	050301	5/11/82	110	108
0005	Bayou Nezpique north of Basile, LA	050301	6/15/82	31	52
0005	Bayou Nezpique north of Basile, LA	050301	7/12/82	52	80
0005	Bayou Nezpique north of Basile, LA	050301	8/10/82	64	156
0005	Bayou Nezpique north of Basile, LA	050301	9/13/82	18	14
0005	Bayou Nezpique north of Basile, LA	050301	10/12/82	33	42
0005	Bayou Nezpique north of Basile, LA	050301	11/16/82	10	1
0005	Bayou Nezpique north of Basile, LA	050301	12/14/82	54	20
0005	Bayou Nezpique north of Basile, LA	050301	1/11/83	57	38
0005	Bayou Nezpique north of Basile, LA	050301	2/8/83	44	24
0005	Bayou Nezpique north of Basile, LA	050301	3/15/83	73	46
0005	Bayou Nezpique north of Basile, LA	050301	4/12/83	85	26
0005	Bayou Nezpique north of Basile, LA	050301	5/10/83	230	116
0005	Bayou Nezpique north of Basile, LA	050301	6/14/83	78	5.8

0005	Bayou Nezpique north of Basile, LA	050301	7/12/83	130	48
0005	Bayou Nezpique north of Basile, LA	050301	8/9/83	14	12
0005	Bayou Nezpique north of Basile, LA	050301	9/13/83	74	56
0005	Bayou Nezpique north of Basile, LA	050301	10/10/83	37	22
0005	Bayou Nezpique north of Basile, LA	050301	11/15/83	72	32
0005	Bayou Nezpique north of Basile, LA	050301	12/13/83	70	24
0005	Bayou Nezpique north of Basile, LA	050301	1/10/84	296	148
0005	Bayou Nezpique north of Basile, LA	050301	2/14/84	58	28
0005	Bayou Nezpique north of Basile, LA	050301	3/12/84	108	72
0005	Bayou Nezpique north of Basile, LA	050301	4/9/84	1360	280
0005	Bayou Nezpique north of Basile, LA	050301	5/13/84	280	104
0005	Bayou Nezpique north of Basile, LA	050301	6/11/84	38	17
0005	Bayou Nezpique north of Basile, LA	050301	7/10/84	120	70
0005	Bayou Nezpique north of Basile, LA	050301	8/13/84	0	74
0005	Bayou Nezpique north of Basile, LA	050301	9/10/84	35	24
0005	Bayou Nezpique north of Basile, LA	050301	10/8/84	47	30
0005	Bayou Nezpique north of Basile, LA	050301	11/13/84	70	14
0005	Bayou Nezpique north of Basile, LA	050301	12/10/84	105	18
0005	Bayou Nezpique north of Basile, LA	050301	1/14/85	66	10
0005	Bayou Nezpique north of Basile, LA	050301	2/12/85	120	80
0005	Bayou Nezpique north of Basile, LA	050301	3/11/85	288	60
0005	Bayou Nezpique north of Basile, LA	050301	4/8/85	2100	210
0005	Bayou Nezpique north of Basile, LA	050301	5/13/85	266	62
0005	Bayou Nezpique north of Basile, LA	050301	6/10/85	80	32
0005	Bayou Nezpique north of Basile, LA	050301	7/8/85	132	90
0005	Bayou Nezpique north of Basile, LA	050301	8/13/85	111	66
0005	Bayou Nezpique north of Basile, LA	050301	9/10/85	13	4
0005	Bayou Nezpique north of Basile, LA	050301	10/15/85	69	44
0005	Bayou Nezpique north of Basile, LA	050301	11/19/85	69	56
0005	Bayou Nezpique north of Basile, LA	050301	12/10/85	83	38
0005	Bayou Nezpique north of Basile, LA	050301	1/14/86	75	28
0005	Bayou Nezpique north of Basile, LA	050301	2/18/86	92	38
0005	Bayou Nezpique north of Basile, LA	050301	3/18/86	224	154
0005	Bayou Nezpique north of Basile, LA	050301	4/15/86	412	10
0005	Bayou Nezpique north of Basile, LA	050301	5/13/86	249	88
0005	Bayou Nezpique north of Basile, LA	050301	6/10/86	135	102
0005	Bayou Nezpique north of Basile, LA	050301	7/15/86	55	46
0005	Bayou Nezpique north of Basile, LA	050301	8/12/86	40.5	68
0005	Bayou Nezpique north of Basile, LA	050301	9/9/86	22	12
0005	Bayou Nezpique north of Basile, LA	050301	10/14/86	45	56
0005	Bayou Nezpique north of Basile, LA	050301	11/18/86	57	44
0005	Bayou Nezpique north of Basile, LA	050301	12/9/86	120	88
0005	Bayou Nezpique north of Basile, LA	050301	1/12/87	9.5	26
0005	Bayou Nezpique north of Basile, LA	050301	2/16/87	108	160
0005	Bayou Nezpique north of Basile, LA	050301	3/10/87	85	64
0005	Bayou Nezpique north of Basile, LA	050301	4/14/87	456	172
0005	Bayou Nezpique north of Basile, LA	050301	5/12/87	90	104
0005	Bayou Nezpique north of Basile, LA	050301	6/9/87	72	80
0005	Bayou Nezpique north of Basile, LA	050301	7/14/87	85	50

0005	Bayou Nezpique north of Basile, LA	050301	8/11/87	43	62
0005	Bayou Nezpique north of Basile, LA	050301	9/15/87	95	118
0005	Bayou Nezpique north of Basile, LA	050301	10/12/87	60	22
0005	Bayou Nezpique north of Basile, LA	050301	11/17/87	74	152
0005	Bayou Nezpique north of Basile, LA	050301	12/15/87	65	56
0005	Bayou Nezpique north of Basile, LA	050301	1/12/88	80	32
0005	Bayou Nezpique north of Basile, LA	050301	2/9/88	39	30
0005	Bayou Nezpique north of Basile, LA	050301	3/15/88	40	32
0005	Bayou Nezpique north of Basile, LA	050301	4/12/88	320	72
0005	Bayou Nezpique north of Basile, LA	050301	5/10/88	270	144
0005	Bayou Nezpique north of Basile, LA	050301	6/13/88	88	88
0005	Bayou Nezpique north of Basile, LA	050301	7/12/88	85	110
0005	Bayou Nezpique north of Basile, LA	050301	8/9/88	53	58
0005	Bayou Nezpique north of Basile, LA	050301	9/13/88	57	32
0005	Bayou Nezpique north of Basile, LA	050301	10/11/88	152	190
0005	Bayou Nezpique north of Basile, LA	050301	11/15/88	42	14
0005	Bayou Nezpique north of Basile, LA	050301	12/12/88	64	84
0005	Bayou Nezpique north of Basile, LA	050301	1/10/89	85	58
0005	Bayou Nezpique north of Basile, LA	050301	2/14/89	66	32
0005	Bayou Nezpique north of Basile, LA	050301	3/14/89	93	46
0005	Bayou Nezpique north of Basile, LA	050301	4/11/89	1600	220
0005	Bayou Nezpique north of Basile, LA	050301	5/9/89	126	64
0005	Bayou Nezpique north of Basile, LA	050301	6/13/89	98	96
0005	Bayou Nezpique north of Basile, LA	050301	7/11/89	15	20
0005	Bayou Nezpique north of Basile, LA	050301	8/15/89	49.5	32
0005	Bayou Nezpique north of Basile, LA	050301	9/12/89	54	34
0005	Bayou Nezpique north of Basile, LA	050301	10/10/89	35	16
0005	Bayou Nezpique north of Basile, LA	050301	11/14/89	82.5	12
0005	Bayou Nezpique north of Basile, LA	050301	12/11/89	70	76
0005	Bayou Nezpique north of Basile, LA	050301	1/9/90	45	16
0005	Bayou Nezpique north of Basile, LA	050301	2/13/90	60	68
0005	Bayou Nezpique north of Basile, LA	050301	3/13/90	74	62
0005	Bayou Nezpique north of Basile, LA	050301	4/10/90	760	0
0005	Bayou Nezpique north of Basile, LA	050301	5/15/90	140	98
0005	Bayou Nezpique north of Basile, LA	050301	6/12/90	111	68
0005	Bayou Nezpique north of Basile, LA	050301	7/10/90	72	76
0005	Bayou Nezpique north of Basile, LA	050301	8/14/90	96	96
0005	Bayou Nezpique north of Basile, LA	050301	9/11/90	42	48
0005	Bayou Nezpique north of Basile, LA	050301	10/16/90	115.5	62
0005	Bayou Nezpique north of Basile, LA	050301	11/13/90	44	18
0005	Bayou Nezpique north of Basile, LA	050301	12/10/90	70	58
0005	Bayou Nezpique north of Basile, LA	050301	1/14/91	33	24
0005	Bayou Nezpique north of Basile, LA	050301	2/5/91	140	314
0005	Bayou Nezpique north of Basile, LA	050301	3/12/91	87.5	32
0005	Bayou Nezpique north of Basile, LA	050301	4/16/91	64	42
0005	Bayou Nezpique north of Basile, LA	050301	5/14/91	35	13
0005	Bayou Nezpique north of Basile, LA	050301	6/11/91	78	108
0005	Bayou Nezpique north of Basile, LA	050301	7/16/91	59	96
0005	Bayou Nezpique north of Basile, LA	050301	8/13/91	51	62

0005	Bayou Nezpique north of Basile, LA	050301	9/9/91	37	32
0005	Bayou Nezpique north of Basile, LA	050301	10/15/91	32	21
0005	Bayou Nezpique north of Basile, LA	050301	11/19/91	93	88
0005	Bayou Nezpique north of Basile, LA	050301	12/10/91	133	44
0005	Bayou Nezpique north of Basile, LA	050301	1/7/92	115.5	28
0005	Bayou Nezpique north of Basile, LA	050301	2/11/92	49.5	51
0005	Bayou Nezpique north of Basile, LA	050301	3/10/92	25	10
0005	Bayou Nezpique north of Basile, LA	050301	4/7/92	440	236
0005	Bayou Nezpique north of Basile, LA	050301	5/12/92	190	132
0005	Bayou Nezpique north of Basile, LA	050301	6/16/92	53	138
0005	Bayou Nezpique north of Basile, LA	050301	7/13/92	75	70
0005	Bayou Nezpique north of Basile, LA	050301	8/11/92	35	29
0005	Bayou Nezpique north of Basile, LA	050301	9/15/92	45	18
0005	Bayou Nezpique north of Basile, LA	050301	10/13/92	38	12
0005	Bayou Nezpique north of Basile, LA	050301	11/17/92	66	44
0005	Bayou Nezpique north of Basile, LA	050301	12/15/92	99	104
0005	Bayou Nezpique north of Basile, LA	050301	1/12/93	66	52
0005	Bayou Nezpique north of Basile, LA	050301	2/8/93	66	24
0005	Bayou Nezpique north of Basile, LA	050301	3/9/93	53	32
0005	Bayou Nezpique north of Basile, LA	050301	4/13/93	51	22
0005	Bayou Nezpique north of Basile, LA	050301	5/11/93	88	58
0005	Bayou Nezpique north of Basile, LA	050301	6/15/93	55	40
0005	Bayou Nezpique north of Basile, LA	050301	7/13/93	70	84
0005	Bayou Nezpique north of Basile, LA	050301	8/10/93	54	58
0005	Bayou Nezpique north of Basile, LA	050301	9/14/93	27	15
0005	Bayou Nezpique north of Basile, LA	050301	10/12/93	49.5	17
0005	Bayou Nezpique north of Basile, LA	050301	11/16/93	64	58
0005	Bayou Nezpique north of Basile, LA	050301	12/14/93	100	44
0005	Bayou Nezpique north of Basile, LA	050301	1/11/94	148	37
0005	Bayou Nezpique north of Basile, LA	050301	2/8/94	60	34
0005	Bayou Nezpique north of Basile, LA	050301	3/15/94	175	86
0005	Bayou Nezpique north of Basile, LA	050301	4/12/94	190	210
0005	Bayou Nezpique north of Basile, LA	050301	5/10/94	190	139
0005	Bayou Nezpique north of Basile, LA	050301	6/14/94	62	104
0005	Bayou Nezpique north of Basile, LA	050301	7/12/94	40	57
0005	Bayou Nezpique north of Basile, LA	050301	8/9/94	110	168
0005	Bayou Nezpique north of Basile, LA	050301	9/12/94	55	33
0005	Bayou Nezpique north of Basile, LA	050301	10/11/94	27	19
0005	Bayou Nezpique north of Basile, LA	050301	11/15/94	35	27
0005	Bayou Nezpique north of Basile, LA	050301	12/13/94	70	36
0005	Bayou Nezpique north of Basile, LA	050301	1/10/95	130	64
0005	Bayou Nezpique north of Basile, LA	050301	2/14/95	80	48
0005	Bayou Nezpique north of Basile, LA	050301	3/14/95	70	50
0005	Bayou Nezpique north of Basile, LA	050301	4/4/95	270	80
0005	Bayou Nezpique north of Basile, LA	050301	5/9/95	260	248
0005	Bayou Nezpique north of Basile, LA	050301	6/13/95	55	52
0005	Bayou Nezpique north of Basile, LA	050301	7/11/95	63	115
0005	Bayou Nezpique north of Basile, LA	050301	8/15/95	45	119
0005	Bayou Nezpique north of Basile, LA	050301	9/12/95	32	25

0005	Bayou Nezpique north of Basile, LA	050301	10/10/95	55	50
0005	Bayou Nezpique north of Basile, LA	050301	11/14/95	70	66
0005	Bayou Nezpique north of Basile, LA	050301	12/12/95	42	40
0005	Bayou Nezpique north of Basile, LA	050301	1/9/96	200	57
0005	Bayou Nezpique north of Basile, LA	050301	2/13/96	90	24
0005	Bayou Nezpique north of Basile, LA	050301	3/12/96	70	38
0005	Bayou Nezpique north of Basile, LA	050301	4/9/96	450	220
0005	Bayou Nezpique north of Basile, LA	050301	5/14/96	90	228
0005	Bayou Nezpique north of Basile, LA	050301	6/11/96	90	104
0005	Bayou Nezpique north of Basile, LA	050301	7/9/96	47	66
0005	Bayou Nezpique north of Basile, LA	050301	8/13/96	53	76
0005	Bayou Nezpique north of Basile, LA	050301	9/10/96	35	26
0005	Bayou Nezpique north of Basile, LA	050301	10/15/96	38	14.7
0005	Bayou Nezpique north of Basile, LA	050301	11/19/96	50	107
0005	Bayou Nezpique north of Basile, LA	050301	12/10/96	68	20
0005	Bayou Nezpique north of Basile, LA	050301	1/7/97	70	190
0005	Bayou Nezpique north of Basile, LA	050301	2/18/97	40	22
0005	Bayou Nezpique north of Basile, LA	050301	3/11/97	87.5	97
0005	Bayou Nezpique north of Basile, LA	050301	4/15/97	180	94
0005	Bayou Nezpique north of Basile, LA	050301	5/13/97	200	63.9
0005	Bayou Nezpique north of Basile, LA	050301	6/10/97	128	102
0005	Bayou Nezpique north of Basile, LA	050301	7/15/97	130	99.9
0005	Bayou Nezpique north of Basile, LA	050301	8/12/97	170	81.9
0005	Bayou Nezpique north of Basile, LA	050301	9/9/97	55	35
0005	Bayou Nezpique north of Basile, LA	050301	10/14/97	65	46
0005	Bayou Nezpique north of Basile, LA	050301	11/18/97	50	4
0005	Bayou Nezpique north of Basile, LA	050301	12/9/97	100	50
0005	Bayou Nezpique north of Basile, LA	050301	1/13/98	43	6
0005	Bayou Nezpique north of Basile, LA	050301	2/10/98	95	42
0005	Bayou Nezpique north of Basile, LA	050301	3/10/98	90	40
0005	Bayou Nezpique north of Basile, LA	050301	4/14/98	1000	200
0005	Bayou Nezpique north of Basile, LA	050301	5/12/98	220	70
0309	Bayou Nezpique near Jennings, LA	050301	1/15/91	43	15
0309	Bayou Nezpique near Jennings, LA	050301	3/12/91	78	22
0309	Bayou Nezpique near Jennings, LA	050301	5/14/91	34	11
0309	Bayou Nezpique near Jennings, LA	050301	7/16/91	31	8
0309	Bayou Nezpique near Jennings, LA	050301	9/10/91	33	28
0309	Bayou Nezpique near Jennings, LA	050301	11/15/91	44	38
0309	Bayou Nezpique near Jennings, LA	050301	1/7/92	64	7
0309	Bayou Nezpique near Jennings, LA	050301	3/10/92	40	14
0309	Bayou Nezpique near Jennings, LA	050301	5/11/92	340	32
0309	Bayou Nezpique near Jennings, LA	050301	7/14/92	30	19
0309	Bayou Nezpique near Jennings, LA	050301	9/15/92	15	12
0309	Bayou Nezpique near Jennings, LA	050301	11/17/92	72	42
0309	Bayou Nezpique near Jennings, LA	050301	1/12/93	66	17
0309	Bayou Nezpique near Jennings, LA	050301	3/9/93	55	16
0309	Bayou Nezpique near Jennings, LA	050301	5/11/93	53	26
0309	Bayou Nezpique near Jennings, LA	050301	7/13/93	20	19
0309	Bayou Nezpique near Jennings, LA	050301	9/14/93	6.5	4

0309	Bayou Nezpique near Jennings, LA	050301	11/16/93	39	19
0309	Bayou Nezpique near Jennings, LA	050301	1/11/94	105	29
0309	Bayou Nezpique near Jennings, LA	050301	3/15/94	110	48
0309	Bayou Nezpique near Jennings, LA	050301	5/11/94	110	47
0309	Bayou Nezpique near Jennings, LA	050301	7/12/94	50	24
0309	Bayou Nezpique near Jennings, LA	050301	9/13/94	27	17
0309	Bayou Nezpique near Jennings, LA	050301	11/15/94	24	8
0309	Bayou Nezpique near Jennings, LA	050301	1/10/95	120	36
0309	Bayou Nezpique near Jennings, LA	050301	3/14/95	90	24
0309	Bayou Nezpique near Jennings, LA	050301	5/9/95	130	18
0309	Bayou Nezpique near Jennings, LA	050301	7/11/95	34	29
0309	Bayou Nezpique near Jennings, LA	050301	9/12/95	12	10
0309	Bayou Nezpique near Jennings, LA	050301	11/13/95	40	30
0309	Bayou Nezpique near Jennings, LA	050301	1/8/96	80	32
0309	Bayou Nezpique near Jennings, LA	050301	3/11/96	70	32
0309	Bayou Nezpique near Jennings, LA	050301	5/13/96	136	3
0309	Bayou Nezpique near Jennings, LA	050301	7/9/96	18	20
0309	Bayou Nezpique near Jennings, LA	050301	9/9/96	18	13
0309	Bayou Nezpique near Jennings, LA	050301	11/18/96	66	57
0309	Bayou Nezpique near Jennings, LA	050301	1/7/97	66	20.7
0309	Bayou Nezpique near Jennings, LA	050301	3/10/97	60	14
0309	Bayou Nezpique near Jennings, LA	050301	5/12/97	125	6
0309	Bayou Nezpique near Jennings, LA	050301	7/14/97	65	20
0309	Bayou Nezpique near Jennings, LA	050301	9/8/97	13	5
0309	Bayou Nezpique near Jennings, LA	050301	11/18/97	40	6
0309	Bayou Nezpique near Jennings, LA	050301	1/12/98	39	18
0309	Bayou Nezpique near Jennings, LA	050301	3/9/98	160	48
0309	Bayou Nezpique near Jennings, LA	050301	5/11/98	42	140
0491	Bayou Nezpique northwest of Mamou, LA	050301	5/25/94	60	64
0491	Bayou Nezpique northwest of Mamou, LA	050301	8/30/94	33	8
0491	Bayou Nezpique northwest of Mamou, LA	050301	9/15/95	0	12
0492	Cypress Creek east of Oakdale, LA	050301	5/17/94	40	36
0492	Cypress Creek east of Oakdale, LA	050301	8/31/94	31	37
0492	Cypress Creek east of Oakdale, LA	050301	5/24/95	25	18
0492	Cypress Creek east of Oakdale, LA	050301	8/22/95	20	34
0651	Bayou Nezpique	050301	6/23/98	90	14
0651	Bayou Nezpique	050301	7/14/98	12	11
0651	Bayou Nezpique	050301	7/28/98	27	24
0651	Bayou Nezpique	050301	8/11/98	23	9
0651	Bayou Nezpique	050301	8/25/98	35	6
0651	Bayou Nezpique	050301	9/8/98	14	13
0651	Bayou Nezpique	050301	9/22/98	12	7
0651	Bayou Nezpique	050301	10/13/98	35	13
0651	Bayou Nezpique	050301	10/28/98	25	16
0651	Bayou Nezpique	050301	11/9/98	19	19
0651	Bayou Nezpique	050301	11/23/98	55	18
0651	Bayou Nezpique	050301	12/15/98	80	45
0652	Beaver Creek	050302	6/23/98	19	5
0652	Beaver Creek	050302	7/14/98	50	44

0652	Beaver Creek	050302	7/28/98	0	0
0652	Beaver Creek	050302	8/11/98	24	10
0652	Beaver Creek	050302	8/25/98	26	7
0652	Beaver Creek	050302	9/8/98	20	15
0652	Beaver Creek	050302	9/22/98	16	13
0652	Beaver Creek	050302	10/13/98	30	11
0652	Beaver Creek	050302	10/27/98	60	6.5
0652	Beaver Creek	050302	11/9/98	18	9.5
0652	Beaver Creek	050302	11/23/98	24	9
0652	Beaver Creek	050302	12/8/98	15	16
0490	Castor Creek east of Oberlin, LA	050303	5/24/94	32	16
0490	Castor Creek east of Oberlin, LA	050303	8/30/94	13	8
0490	Castor Creek east of Oberlin, LA	050303	5/23/95	45	31
0490	Castor Creek east of Oberlin, LA	050303	8/22/95	40	20
0490	Castor Creek east of Oberlin, LA	050303	8/22/95	0	0
0490	Castor Creek east of Oberlin, LA	050303	6/23/98	13	4
0490	Castor Creek east of Oberlin, LA	050303	7/14/98	70	82
0490	Castor Creek east of Oberlin, LA	050303	7/28/98	16	60
0490	Castor Creek east of Oberlin, LA	050303	8/11/98	17	6
0490	Castor Creek east of Oberlin, LA	050303	8/25/98	37	92
0490	Castor Creek east of Oberlin, LA	050303	9/8/98	19	27
0490	Castor Creek east of Oberlin, LA	050303	9/22/98	17	9
0490	Castor Creek east of Oberlin, LA	050303	10/13/98	30	14
0490	Castor Creek east of Oberlin, LA	050303	10/28/98	29	56
0490	Castor Creek east of Oberlin, LA	050303	11/9/98	75	170
0490	Castor Creek east of Oberlin, LA	050303	11/23/98	29	6
0490	Castor Creek east of Oberlin, LA	050303	12/15/98	40	16
0653	Bayou Blue	050304	6/23/98	30	18
0653	Bayou Blue	050304	7/14/98	100	88
0653	Bayou Blue	050304	7/28/98	40	46
0653	Bayou Blue	050304	8/11/98	24	18
0653	Bayou Blue	050304	8/25/98	29	28
0653	Bayou Blue	050304	9/8/98	45	58
0653	Bayou Blue	050304	9/22/98	6.7	14
0653	Bayou Blue	050304	10/13/98	29	17
0653	Bayou Blue	050304	10/28/98	28	6
0653	Bayou Blue	050304	11/9/98	28	9
0653	Bayou Blue	050304	11/23/98	50	12.5
0653	Bayou Blue	050304	12/15/98	85	17
0003	Mermannau River at Mermannau, LA	050401	6/1/58	125	0
0003	Mermannau River at Mermannau, LA	050401	7/1/58	30	0
0003	Mermannau River at Mermannau, LA	050401	8/1/58	33	0
0003	Mermannau River at Mermannau, LA	050401	9/1/58	40	0
0003	Mermannau River at Mermannau, LA	050401	10/1/58	40	0
0003	Mermannau River at Mermannau, LA	050401	11/1/58	40	0
0003	Mermannau River at Mermannau, LA	050401	12/1/58	30	0
0003	Mermannau River at Mermannau, LA	050401	1/1/59	67	0
0003	Mermannau River at Mermannau, LA	050401	2/1/59	150	0
0003	Mermannau River at Mermannau, LA	050401	3/1/59	53	0

0003	Mermentau River at Mermentau, LA	050401	4/1/59	128	0
0003	Mermentau River at Mermentau, LA	050401	5/1/59	60	0
0003	Mermentau River at Mermentau, LA	050401	6/1/59	37	0
0003	Mermentau River at Mermentau, LA	050401	7/1/59	30	0
0003	Mermentau River at Mermentau, LA	050401	8/1/59	30	0
0003	Mermentau River at Mermentau, LA	050401	9/1/59	31	0
0003	Mermentau River at Mermentau, LA	050401	10/1/59	35	0
0003	Mermentau River at Mermentau, LA	050401	11/1/59	62	0
0003	Mermentau River at Mermentau, LA	050401	1/1/60	250	0
0003	Mermentau River at Mermentau, LA	050401	2/1/60	460	0
0003	Mermentau River at Mermentau, LA	050401	3/1/60	80	0
0003	Mermentau River at Mermentau, LA	050401	4/1/60	80	0
0003	Mermentau River at Mermentau, LA	050401	5/1/60	50	0
0003	Mermentau River at Mermentau, LA	050401	6/1/60	68	0
0003	Mermentau River at Mermentau, LA	050401	7/1/60	140	0
0003	Mermentau River at Mermentau, LA	050401	8/1/60	48	0
0003	Mermentau River at Mermentau, LA	050401	9/1/60	30	0
0003	Mermentau River at Mermentau, LA	050401	10/1/60	30	0
0003	Mermentau River at Mermentau, LA	050401	11/1/60	55	0
0003	Mermentau River at Mermentau, LA	050401	12/1/60	120	0
0003	Mermentau River at Mermentau, LA	050401	1/1/61	65	0
0003	Mermentau River at Mermentau, LA	050401	2/1/61	87	0
0003	Mermentau River at Mermentau, LA	050401	3/1/61	30	0
0003	Mermentau River at Mermentau, LA	050401	4/1/61	120	0
0003	Mermentau River at Mermentau, LA	050401	5/1/61	150	0
0003	Mermentau River at Mermentau, LA	050401	6/1/61	76	0
0003	Mermentau River at Mermentau, LA	050401	7/1/61	48	0
0003	Mermentau River at Mermentau, LA	050401	8/1/61	105	0
0003	Mermentau River at Mermentau, LA	050401	9/1/61	68	0
0003	Mermentau River at Mermentau, LA	050401	10/1/61	30	0
0003	Mermentau River at Mermentau, LA	050401	11/1/61	400	0
0003	Mermentau River at Mermentau, LA	050401	12/1/61	120	0
0003	Mermentau River at Mermentau, LA	050401	1/1/62	48	0
0003	Mermentau River at Mermentau, LA	050401	2/1/62	210	0
0003	Mermentau River at Mermentau, LA	050401	3/1/62	94	0
0003	Mermentau River at Mermentau, LA	050401	4/1/62	210	0
0003	Mermentau River at Mermentau, LA	050401	5/1/62	55	0
0003	Mermentau River at Mermentau, LA	050401	6/1/62	120	0
0003	Mermentau River at Mermentau, LA	050401	7/1/62	150	0
0003	Mermentau River at Mermentau, LA	050401	8/1/62	38	0
0003	Mermentau River at Mermentau, LA	050401	9/1/62	60	0
0003	Mermentau River at Mermentau, LA	050401	10/1/62	35	0
0003	Mermentau River at Mermentau, LA	050401	11/1/62	32	0
0003	Mermentau River at Mermentau, LA	050401	12/1/62	33	0
0003	Mermentau River at Mermentau, LA	050401	1/1/63	120	0
0003	Mermentau River at Mermentau, LA	050401	2/1/63	80	0
0003	Mermentau River at Mermentau, LA	050401	3/1/63	90	0
0003	Mermentau River at Mermentau, LA	050401	4/1/63	0	0
0003	Mermentau River at Mermentau, LA	050401	5/1/63	68	0

0003	Mermentau River at Mermentau, LA	050401	6/1/63	130	0
0003	Mermentau River at Mermentau, LA	050401	7/1/63	30	0
0003	Mermentau River at Mermentau, LA	050401	8/1/63	30	0
0003	Mermentau River at Mermentau, LA	050401	9/1/63	25	0
0003	Mermentau River at Mermentau, LA	050401	10/1/63	30	0
0003	Mermentau River at Mermentau, LA	050401	11/1/63	30	0
0003	Mermentau River at Mermentau, LA	050401	12/1/63	85	0
0003	Mermentau River at Mermentau, LA	050401	1/1/64	125	0
0003	Mermentau River at Mermentau, LA	050401	2/1/64	73	0
0003	Mermentau River at Mermentau, LA	050401	3/1/64	350	0
0003	Mermentau River at Mermentau, LA	050401	4/1/64	130	0
0003	Mermentau River at Mermentau, LA	050401	5/1/64	85	0
0003	Mermentau River at Mermentau, LA	050401	6/1/64	70	0
0003	Mermentau River at Mermentau, LA	050401	7/1/64	45	0
0003	Mermentau River at Mermentau, LA	050401	8/1/64	48	0
0003	Mermentau River at Mermentau, LA	050401	9/1/64	30	0
0003	Mermentau River at Mermentau, LA	050401	10/1/64	240	0
0003	Mermentau River at Mermentau, LA	050401	11/1/64	57	0
0003	Mermentau River at Mermentau, LA	050401	12/1/64	90	0
0003	Mermentau River at Mermentau, LA	050401	1/1/65	65	0
0003	Mermentau River at Mermentau, LA	050401	2/1/65	280	0
0003	Mermentau River at Mermentau, LA	050401	3/1/65	120	0
0003	Mermentau River at Mermentau, LA	050401	4/1/65	140	0
0003	Mermentau River at Mermentau, LA	050401	5/1/65	105	0
0003	Mermentau River at Mermentau, LA	050401	6/1/65	95	0
0003	Mermentau River at Mermentau, LA	050401	7/1/65	37	0
0003	Mermentau River at Mermentau, LA	050401	8/1/65	45	0
0003	Mermentau River at Mermentau, LA	050401	9/1/65	120	0
0003	Mermentau River at Mermentau, LA	050401	10/1/65	30	0
0003	Mermentau River at Mermentau, LA	050401	11/1/65	45	0
0003	Mermentau River at Mermentau, LA	050401	12/1/65	40	0
0003	Mermentau River at Mermentau, LA	050401	1/1/66	75	0
0003	Mermentau River at Mermentau, LA	050401	2/1/66	78	0
0003	Mermentau River at Mermentau, LA	050401	3/1/66	85	0
0003	Mermentau River at Mermentau, LA	050401	4/1/66	190	0
0003	Mermentau River at Mermentau, LA	050401	6/1/66	75	126
0003	Mermentau River at Mermentau, LA	050401	7/1/66	35	30
0003	Mermentau River at Mermentau, LA	050401	8/1/66	30	64
0003	Mermentau River at Mermentau, LA	050401	9/1/66	95	60
0003	Mermentau River at Mermentau, LA	050401	10/1/66	34	20
0003	Mermentau River at Mermentau, LA	050401	11/1/66	55	66
0003	Mermentau River at Mermentau, LA	050401	12/1/66	47	46
0003	Mermentau River at Mermentau, LA	050401	1/1/67	80	98
0003	Mermentau River at Mermentau, LA	050401	2/1/67	43	88
0003	Mermentau River at Mermentau, LA	050401	3/1/67	75	104
0003	Mermentau River at Mermentau, LA	050401	4/1/67	32	96
0003	Mermentau River at Mermentau, LA	050401	5/1/67	50	0
0003	Mermentau River at Mermentau, LA	050401	6/1/67	140	136
0003	Mermentau River at Mermentau, LA	050401	7/1/67	110	88

0003	Mermentau River at Mermentau, LA	050401	8/1/67	55	76
0003	Mermentau River at Mermentau, LA	050401	9/1/67	40	64
0003	Mermentau River at Mermentau, LA	050401	10/1/67	30	54
0003	Mermentau River at Mermentau, LA	050401	11/1/67	55	56
0003	Mermentau River at Mermentau, LA	050401	12/1/67	30	132
0003	Mermentau River at Mermentau, LA	050401	1/1/68	160	32
0003	Mermentau River at Mermentau, LA	050401	2/1/68	125	118
0003	Mermentau River at Mermentau, LA	050401	3/1/68	110	102
0003	Mermentau River at Mermentau, LA	050401	5/1/68	120	108
0003	Mermentau River at Mermentau, LA	050401	6/1/68	45	92
0003	Mermentau River at Mermentau, LA	050401	7/1/68	30	12
0003	Mermentau River at Mermentau, LA	050401	8/1/68	30	28
0003	Mermentau River at Mermentau, LA	050401	9/1/68	30	2
0003	Mermentau River at Mermentau, LA	050401	10/1/68	55	84
0003	Mermentau River at Mermentau, LA	050401	11/1/68	30	32
0003	Mermentau River at Mermentau, LA	050401	12/1/68	95	110
0003	Mermentau River at Mermentau, LA	050401	1/1/69	75	84
0003	Mermentau River at Mermentau, LA	050401	2/1/69	130	84
0003	Mermentau River at Mermentau, LA	050401	3/1/69	80	20
0003	Mermentau River at Mermentau, LA	050401	4/1/69	300	102
0003	Mermentau River at Mermentau, LA	050401	5/1/69	300	160
0003	Mermentau River at Mermentau, LA	050401	6/1/69	110	94
0003	Mermentau River at Mermentau, LA	050401	7/1/69	80	96
0003	Mermentau River at Mermentau, LA	050401	8/1/69	30	70
0003	Mermentau River at Mermentau, LA	050401	9/1/69	30	50
0003	Mermentau River at Mermentau, LA	050401	10/1/69	30	18
0003	Mermentau River at Mermentau, LA	050401	11/1/69	30	38
0003	Mermentau River at Mermentau, LA	050401	12/1/69	45	24
0003	Mermentau River at Mermentau, LA	050401	1/1/70	170	134
0003	Mermentau River at Mermentau, LA	050401	2/1/70	45	106
0003	Mermentau River at Mermentau, LA	050401	3/1/70	35	118
0003	Mermentau River at Mermentau, LA	050401	4/1/70	120	118
0003	Mermentau River at Mermentau, LA	050401	5/1/70	240	0
0003	Mermentau River at Mermentau, LA	050401	6/1/70	30	58
0003	Mermentau River at Mermentau, LA	050401	7/1/70	30	54
0003	Mermentau River at Mermentau, LA	050401	8/1/70	30	36
0003	Mermentau River at Mermentau, LA	050401	9/1/70	40	40
0003	Mermentau River at Mermentau, LA	050401	10/1/70	130	0
0003	Mermentau River at Mermentau, LA	050401	11/1/70	56	48
0003	Mermentau River at Mermentau, LA	050401	12/1/70	71	62
0003	Mermentau River at Mermentau, LA	050401	1/1/71	190	95
0003	Mermentau River at Mermentau, LA	050401	2/1/71	203	126
0003	Mermentau River at Mermentau, LA	050401	3/1/71	190	107
0003	Mermentau River at Mermentau, LA	050401	4/1/71	55	186
0003	Mermentau River at Mermentau, LA	050401	5/1/71	150	0
0003	Mermentau River at Mermentau, LA	050401	6/1/71	55	60
0003	Mermentau River at Mermentau, LA	050401	7/1/71	65	80
0003	Mermentau River at Mermentau, LA	050401	8/1/71	10	20
0003	Mermentau River at Mermentau, LA	050401	9/1/71	36	0

0003	Mermentau River at Mermentau, LA	050401	10/1/71	10	6
0003	Mermentau River at Mermentau, LA	050401	11/1/71	35	68
0003	Mermentau River at Mermentau, LA	050401	12/1/71	45	158
0003	Mermentau River at Mermentau, LA	050401	1/1/72	110	64
0003	Mermentau River at Mermentau, LA	050401	2/1/72	70	60
0003	Mermentau River at Mermentau, LA	050401	3/1/72	230	0
0003	Mermentau River at Mermentau, LA	050401	4/1/72	130	40
0003	Mermentau River at Mermentau, LA	050401	5/1/72	120	26
0003	Mermentau River at Mermentau, LA	050401	6/1/72	85	76
0003	Mermentau River at Mermentau, LA	050401	8/1/72	65	124
0003	Mermentau River at Mermentau, LA	050401	10/1/72	20	24
0003	Mermentau River at Mermentau, LA	050401	11/1/72	60	26
0003	Mermentau River at Mermentau, LA	050401	12/1/72	115	114
0003	Mermentau River at Mermentau, LA	050401	1/1/73	85	32
0003	Mermentau River at Mermentau, LA	050401	2/1/73	105	20
0003	Mermentau River at Mermentau, LA	050401	3/1/73	67	2
0003	Mermentau River at Mermentau, LA	050401	4/1/73	180	200
0003	Mermentau River at Mermentau, LA	050401	5/1/73	225	112
0003	Mermentau River at Mermentau, LA	050401	6/1/73	83	154
0003	Mermentau River at Mermentau, LA	050401	7/1/73	75	6
0003	Mermentau River at Mermentau, LA	050401	8/1/73	40	66
0003	Mermentau River at Mermentau, LA	050401	9/1/73	25	12
0003	Mermentau River at Mermentau, LA	050401	10/1/73	14	28
0003	Mermentau River at Mermentau, LA	050401	11/1/73	27	20
0003	Mermentau River at Mermentau, LA	050401	12/1/73	62	58
0003	Mermentau River at Mermentau, LA	050401	1/1/74	78	90
0003	Mermentau River at Mermentau, LA	050401	2/1/74	89	108
0003	Mermentau River at Mermentau, LA	050401	3/1/74	100	122
0003	Mermentau River at Mermentau, LA	050401	4/1/74	170	64
0003	Mermentau River at Mermentau, LA	050401	5/1/74	120	0
0003	Mermentau River at Mermentau, LA	050401	6/1/74	110	238
0003	Mermentau River at Mermentau, LA	050401	7/1/74	40	0
0003	Mermentau River at Mermentau, LA	050401	8/1/74	18	30
0003	Mermentau River at Mermentau, LA	050401	9/1/74	18	10
0003	Mermentau River at Mermentau, LA	050401	11/1/74	54	122
0003	Mermentau River at Mermentau, LA	050401	12/1/74	65	60
0003	Mermentau River at Mermentau, LA	050401	1/6/75	53	66
0003	Mermentau River at Mermentau, LA	050401	2/5/75	66	56
0003	Mermentau River at Mermentau, LA	050401	3/6/75	110	0
0003	Mermentau River at Mermentau, LA	050401	4/3/75	245	52
0003	Mermentau River at Mermentau, LA	050401	5/6/75	125	26
0003	Mermentau River at Mermentau, LA	050401	6/6/75	94	62
0003	Mermentau River at Mermentau, LA	050401	7/7/75	70	70
0003	Mermentau River at Mermentau, LA	050401	8/7/75	37	8
0003	Mermentau River at Mermentau, LA	050401	9/1/75	56	114
0003	Mermentau River at Mermentau, LA	050401	10/1/75	57	24
0003	Mermentau River at Mermentau, LA	050401	11/5/75	62	46
0003	Mermentau River at Mermentau, LA	050401	12/3/75	75	88
0003	Mermentau River at Mermentau, LA	050401	1/9/76	160	2

0003	Mermentau River at Mermentau, LA	050401	2/10/76	150	100
0003	Mermentau River at Mermentau, LA	050401	3/5/76	130	156
0003	Mermentau River at Mermentau, LA	050401	4/1/76	100	92
0003	Mermentau River at Mermentau, LA	050401	6/2/76	59	130
0003	Mermentau River at Mermentau, LA	050401	7/5/76	84	84
0003	Mermentau River at Mermentau, LA	050401	8/4/76	26	86
0003	Mermentau River at Mermentau, LA	050401	9/7/76	24	16
0003	Mermentau River at Mermentau, LA	050401	10/6/76	40	20
0003	Mermentau River at Mermentau, LA	050401	11/5/76	55	18
0003	Mermentau River at Mermentau, LA	050401	12/6/76	78	44
0003	Mermentau River at Mermentau, LA	050401	1/5/77	14	98
0003	Mermentau River at Mermentau, LA	050401	2/3/77	95	94
0003	Mermentau River at Mermentau, LA	050401	3/7/77	175	108
0003	Mermentau River at Mermentau, LA	050401	4/5/77	240	182
0003	Mermentau River at Mermentau, LA	050401	5/4/77	68	48
0003	Mermentau River at Mermentau, LA	050401	6/3/77	110	54
0003	Mermentau River at Mermentau, LA	050401	7/5/77	80	118
0003	Mermentau River at Mermentau, LA	050401	8/5/77	25	10
0003	Mermentau River at Mermentau, LA	050401	9/7/77	8	10
0003	Mermentau River at Mermentau, LA	050401	10/7/77	10	0
0003	Mermentau River at Mermentau, LA	050401	11/3/77	45	70
0003	Mermentau River at Mermentau, LA	050401	12/5/77	74	66
0003	Mermentau River at Mermentau, LA	050401	1/4/78	120	56
0003	Mermentau River at Mermentau, LA	050401	3/7/78	130	120
0003	Mermentau River at Mermentau, LA	050401	4/11/78	180	68
0003	Mermentau River at Mermentau, LA	050401	5/9/78	200	84
0003	Mermentau River at Mermentau, LA	050401	6/13/78	92	178
0003	Mermentau River at Mermentau, LA	050401	7/11/78	43	26
0003	Mermentau River at Mermentau, LA	050401	8/15/78	44	52
0003	Mermentau River at Mermentau, LA	050401	9/12/78	42	44
0003	Mermentau River at Mermentau, LA	050401	10/10/78	5.7	6
0003	Mermentau River at Mermentau, LA	050401	12/12/78	53	56
0003	Mermentau River at Mermentau, LA	050401	1/9/79	93	136
0003	Mermentau River at Mermentau, LA	050401	2/13/79	68	38
0003	Mermentau River at Mermentau, LA	050401	3/13/79	90	122
0003	Mermentau River at Mermentau, LA	050401	4/17/79	230	72
0003	Mermentau River at Mermentau, LA	050401	5/15/79	190	0
0003	Mermentau River at Mermentau, LA	050401	6/11/79	50	48
0003	Mermentau River at Mermentau, LA	050401	8/17/79	0	0
0003	Mermentau River at Mermentau, LA	050401	9/11/79	22	0
0003	Mermentau River at Mermentau, LA	050401	10/9/79	23	56
0003	Mermentau River at Mermentau, LA	050401	11/6/79	39	14
0003	Mermentau River at Mermentau, LA	050401	12/11/79	53	66
0003	Mermentau River at Mermentau, LA	050401	1/15/80	100	60
0003	Mermentau River at Mermentau, LA	050401	2/12/80	230	206
0003	Mermentau River at Mermentau, LA	050401	3/11/80	95	110
0003	Mermentau River at Mermentau, LA	050401	4/15/80	200	316
0003	Mermentau River at Mermentau, LA	050401	5/12/80	245	150
0003	Mermentau River at Mermentau, LA	050401	6/10/80	0	62

0003	Mermentau River at Mermentau, LA	050401	10/13/80	22	18
0003	Mermentau River at Mermentau, LA	050401	11/17/80	17	20
0003	Mermentau River at Mermentau, LA	050401	12/8/80	65	52
0003	Mermentau River at Mermentau, LA	050401	1/12/81	58	36
0003	Mermentau River at Mermentau, LA	050401	2/9/81	85	96
0003	Mermentau River at Mermentau, LA	050401	3/9/81	130	142
0003	Mermentau River at Mermentau, LA	050401	4/13/81	125	58
0003	Mermentau River at Mermentau, LA	050401	5/11/81	75	34
0003	Mermentau River at Mermentau, LA	050401	6/8/81	110	162
0003	Mermentau River at Mermentau, LA	050401	7/13/81	52	46
0003	Mermentau River at Mermentau, LA	050401	8/10/81	17	22
0003	Mermentau River at Mermentau, LA	050401	9/14/81	4.7	4
0003	Mermentau River at Mermentau, LA	050401	10/12/81	11	14
0003	Mermentau River at Mermentau, LA	050401	11/16/81	35	8
0003	Mermentau River at Mermentau, LA	050401	12/14/81	50	44
0003	Mermentau River at Mermentau, LA	050401	1/11/82	63	42
0003	Mermentau River at Mermentau, LA	050401	2/8/82	95	56
0003	Mermentau River at Mermentau, LA	050401	3/8/82	87	18
0003	Mermentau River at Mermentau, LA	050401	4/12/82	85	18
0003	Mermentau River at Mermentau, LA	050401	5/10/82	130	56
0003	Mermentau River at Mermentau, LA	050401	6/13/82	40	6
0003	Mermentau River at Mermentau, LA	050401	7/12/82	25	12
0003	Mermentau River at Mermentau, LA	050401	8/9/82	27	40
0003	Mermentau River at Mermentau, LA	050401	9/13/82	42	46
0003	Mermentau River at Mermentau, LA	050401	10/11/82	11	12
0003	Mermentau River at Mermentau, LA	050401	11/15/82	17	8
0003	Mermentau River at Mermentau, LA	050401	12/13/82	42	28
0003	Mermentau River at Mermentau, LA	050401	1/10/83	68	26
0003	Mermentau River at Mermentau, LA	050401	2/7/83	90	80
0003	Mermentau River at Mermentau, LA	050401	3/14/83	68	18
0003	Mermentau River at Mermentau, LA	050401	4/11/83	150	50
0003	Mermentau River at Mermentau, LA	050401	5/9/83	225	44
0003	Mermentau River at Mermentau, LA	050401	6/13/83	24	4
0003	Mermentau River at Mermentau, LA	050401	7/11/83	94	32
0003	Mermentau River at Mermentau, LA	050401	8/9/83	62	24
0003	Mermentau River at Mermentau, LA	050401	9/13/83	6.6	2
0003	Mermentau River at Mermentau, LA	050401	10/11/83	35	20
0003	Mermentau River at Mermentau, LA	050401	11/15/83	23	12
0003	Mermentau River at Mermentau, LA	050401	12/12/83	150	52
0003	Mermentau River at Mermentau, LA	050401	1/9/84	117	28
0003	Mermentau River at Mermentau, LA	050401	2/14/84	312	116
0003	Mermentau River at Mermentau, LA	050401	3/13/84	120	48
0003	Mermentau River at Mermentau, LA	050401	4/9/84	144	48
0003	Mermentau River at Mermentau, LA	050401	5/14/84	351	16
0003	Mermentau River at Mermentau, LA	050401	6/11/84	155	64
0003	Mermentau River at Mermentau, LA	050401	7/9/84	39	7
0003	Mermentau River at Mermentau, LA	050401	8/13/84	0	30
0003	Mermentau River at Mermentau, LA	050401	9/10/84	3.9	4
0003	Mermentau River at Mermentau, LA	050401	10/8/84	44	24

0003	Mermentau River at Mermentau, LA	050401	11/13/84	36	12
0003	Mermentau River at Mermentau, LA	050401	12/10/84	104	28
0003	Mermentau River at Mermentau, LA	050401	1/14/85	72	32
0003	Mermentau River at Mermentau, LA	050401	2/11/85	156	72
0003	Mermentau River at Mermentau, LA	050401	3/11/85	74	12
0003	Mermentau River at Mermentau, LA	050401	4/8/85	160	20
0003	Mermentau River at Mermentau, LA	050401	5/13/85	185	9
0003	Mermentau River at Mermentau, LA	050401	6/10/85	111	24
0003	Mermentau River at Mermentau, LA	050401	7/8/85	62	6
0003	Mermentau River at Mermentau, LA	050401	8/12/85	40	8
0003	Mermentau River at Mermentau, LA	050401	9/9/85	22	2
0003	Mermentau River at Mermentau, LA	050401	10/14/85	32	0
0003	Mermentau River at Mermentau, LA	050401	11/18/85	13	6
0003	Mermentau River at Mermentau, LA	050401	12/9/85	58	4
0003	Mermentau River at Mermentau, LA	050401	1/13/86	137	54
0003	Mermentau River at Mermentau, LA	050401	2/17/86	107	16
0003	Mermentau River at Mermentau, LA	050401	3/17/86	51	10
0003	Mermentau River at Mermentau, LA	050401	4/14/86	170	24
0003	Mermentau River at Mermentau, LA	050401	5/12/86	237	34
0003	Mermentau River at Mermentau, LA	050401	6/10/86	85	28
0003	Mermentau River at Mermentau, LA	050401	7/14/86	46	18
0003	Mermentau River at Mermentau, LA	050401	8/11/86	8	8
0003	Mermentau River at Mermentau, LA	050401	9/8/86	21	6
0003	Mermentau River at Mermentau, LA	050401	10/13/86	21	6
0003	Mermentau River at Mermentau, LA	050401	11/17/86	35	8
0003	Mermentau River at Mermentau, LA	050401	12/8/86	40	26
0003	Mermentau River at Mermentau, LA	050401	1/12/87	70	14
0003	Mermentau River at Mermentau, LA	050401	2/16/87	87	52
0003	Mermentau River at Mermentau, LA	050401	3/9/87	55	14
0003	Mermentau River at Mermentau, LA	050401	4/13/87	128	52
0003	Mermentau River at Mermentau, LA	050401	5/11/87	68	30
0003	Mermentau River at Mermentau, LA	050401	6/8/87	58	30
0003	Mermentau River at Mermentau, LA	050401	7/13/87	53	24
0003	Mermentau River at Mermentau, LA	050401	8/10/87	19	13
0003	Mermentau River at Mermentau, LA	050401	9/14/87	5.9	9
0003	Mermentau River at Mermentau, LA	050401	10/12/87	5.8	9
0003	Mermentau River at Mermentau, LA	050401	11/16/87	18	4
0003	Mermentau River at Mermentau, LA	050401	12/14/87	55	36
0003	Mermentau River at Mermentau, LA	050401	1/11/88	70	38
0003	Mermentau River at Mermentau, LA	050401	2/8/88	55	20
0003	Mermentau River at Mermentau, LA	050401	3/14/88	66	20
0003	Mermentau River at Mermentau, LA	050401	4/11/88	138	40
0003	Mermentau River at Mermentau, LA	050401	5/9/88	230	32
0003	Mermentau River at Mermentau, LA	050401	6/13/88	76	16
0003	Mermentau River at Mermentau, LA	050401	7/11/88	28	13
0003	Mermentau River at Mermentau, LA	050401	8/8/88	27	22
0003	Mermentau River at Mermentau, LA	050401	9/13/88	26	30
0003	Mermentau River at Mermentau, LA	050401	10/11/88	29	28
0003	Mermentau River at Mermentau, LA	050401	11/15/88	25	8

0003	Mermentau River at Mermentau, LA	050401	12/13/88	58	64
0003	Mermentau River at Mermentau, LA	050401	1/10/89	72	30
0003	Mermentau River at Mermentau, LA	050401	2/14/89	126	20
0003	Mermentau River at Mermentau, LA	050401	3/14/89	85	20
0003	Mermentau River at Mermentau, LA	050401	4/11/89	240	34
0003	Mermentau River at Mermentau, LA	050401	5/9/89	92	12
0003	Mermentau River at Mermentau, LA	050401	6/13/89	78	24
0003	Mermentau River at Mermentau, LA	050401	7/11/89	26	8
0003	Mermentau River at Mermentau, LA	050401	8/15/89	20	9
0003	Mermentau River at Mermentau, LA	050401	9/12/89	13	6
0003	Mermentau River at Mermentau, LA	050401	10/10/89	7.1	4
0003	Mermentau River at Mermentau, LA	050401	11/14/89	17	6
0003	Mermentau River at Mermentau, LA	050401	12/12/89	70	34
0003	Mermentau River at Mermentau, LA	050401	1/9/90	80	38
0003	Mermentau River at Mermentau, LA	050401	2/13/90	80	36
0003	Mermentau River at Mermentau, LA	050401	3/13/90	64	30
0003	Mermentau River at Mermentau, LA	050401	4/10/90	195	50
0003	Mermentau River at Mermentau, LA	050401	5/15/90	105	26
0003	Mermentau River at Mermentau, LA	050401	6/12/90	64	5
0003	Mermentau River at Mermentau, LA	050401	7/10/90	18	8
0003	Mermentau River at Mermentau, LA	050401	8/14/90	10	18
0003	Mermentau River at Mermentau, LA	050401	9/11/90	4.1	5
0003	Mermentau River at Mermentau, LA	050401	10/16/90	5.8	7
0003	Mermentau River at Mermentau, LA	050401	11/14/90	15	24
0003	Mermentau River at Mermentau, LA	050401	12/11/90	45	30
0003	Mermentau River at Mermentau, LA	050401	1/15/91	62	22
0003	Mermentau River at Mermentau, LA	050401	2/4/91	85	23
0003	Mermentau River at Mermentau, LA	050401	3/12/91	74	20
0003	Mermentau River at Mermentau, LA	050401	4/15/91	306	96
0003	Mermentau River at Mermentau, LA	050401	5/14/91	52	21
0003	Mermentau River at Mermentau, LA	050401	6/10/91	31	4
0003	Mermentau River at Mermentau, LA	050401	7/16/91	40	32
0003	Mermentau River at Mermentau, LA	050401	8/12/91	22	20
0003	Mermentau River at Mermentau, LA	050401	9/10/91	30	14
0003	Mermentau River at Mermentau, LA	050401	10/11/91	22	46
0003	Mermentau River at Mermentau, LA	050401	11/19/91	36	4
0003	Mermentau River at Mermentau, LA	050401	12/10/91	57	22
0003	Mermentau River at Mermentau, LA	050401	1/7/92	60	18
0003	Mermentau River at Mermentau, LA	050401	2/10/92	90	52
0003	Mermentau River at Mermentau, LA	050401	3/10/92	585	44
0003	Mermentau River at Mermentau, LA	050401	4/6/92	273	26
0003	Mermentau River at Mermentau, LA	050401	5/11/92	175	16
0003	Mermentau River at Mermentau, LA	050401	6/15/92	66	36
0003	Mermentau River at Mermentau, LA	050401	7/14/92	30	16
0003	Mermentau River at Mermentau, LA	050401	8/10/92	22	8
0003	Mermentau River at Mermentau, LA	050401	9/15/92	8.2	8
0003	Mermentau River at Mermentau, LA	050401	10/12/92	26	9
0003	Mermentau River at Mermentau, LA	050401	11/17/92	64	38
0003	Mermentau River at Mermentau, LA	050401	12/14/92	0	0

0003	Mermentau River at Mermentau, LA	050401	1/12/93	78	23
0003	Mermentau River at Mermentau, LA	050401	2/8/93	88	18
0003	Mermentau River at Mermentau, LA	050401	3/9/93	65	13
0003	Mermentau River at Mermentau, LA	050401	4/12/93	123	16
0003	Mermentau River at Mermentau, LA	050401	5/11/93	72	18
0003	Mermentau River at Mermentau, LA	050401	6/14/93	95	18
0003	Mermentau River at Mermentau, LA	050401	7/13/93	20	12
0003	Mermentau River at Mermentau, LA	050401	8/9/93	19	21
0003	Mermentau River at Mermentau, LA	050401	9/14/93	5	5
0003	Mermentau River at Mermentau, LA	050401	10/11/93	9.8	4
0003	Mermentau River at Mermentau, LA	050401	11/16/93	102	88
0003	Mermentau River at Mermentau, LA	050401	12/13/93	75	26
0003	Mermentau River at Mermentau, LA	050401	1/11/94	102	17
0003	Mermentau River at Mermentau, LA	050401	2/7/94	70	8
0003	Mermentau River at Mermentau, LA	050401	3/15/94	100	46
0003	Mermentau River at Mermentau, LA	050401	4/12/94	220	42
0003	Mermentau River at Mermentau, LA	050401	5/11/94	130	55
0003	Mermentau River at Mermentau, LA	050401	6/13/94	90	40
0003	Mermentau River at Mermentau, LA	050401	7/12/94	41	20
0003	Mermentau River at Mermentau, LA	050401	8/8/94	25	14
0003	Mermentau River at Mermentau, LA	050401	9/13/94	33	11
0003	Mermentau River at Mermentau, LA	050401	10/10/94	18	12
0003	Mermentau River at Mermentau, LA	050401	11/15/94	30	7
0003	Mermentau River at Mermentau, LA	050401	12/12/94	45	22
0003	Mermentau River at Mermentau, LA	050401	1/10/95	110	23
0003	Mermentau River at Mermentau, LA	050401	2/13/95	110	25
0003	Mermentau River at Mermentau, LA	050401	3/14/95	102	44
0003	Mermentau River at Mermentau, LA	050401	4/3/95	180	48
0003	Mermentau River at Mermentau, LA	050401	5/9/95	130	20
0003	Mermentau River at Mermentau, LA	050401	6/12/95	55	11
0003	Mermentau River at Mermentau, LA	050401	7/11/95	45	36
0003	Mermentau River at Mermentau, LA	050401	8/14/95	20	12
0003	Mermentau River at Mermentau, LA	050401	9/12/95	10	5
0003	Mermentau River at Mermentau, LA	050401	10/9/95	6.5	24
0003	Mermentau River at Mermentau, LA	050401	11/13/95	45	34
0003	Mermentau River at Mermentau, LA	050401	12/11/95	45	16
0003	Mermentau River at Mermentau, LA	050401	1/8/96	75	27
0003	Mermentau River at Mermentau, LA	050401	2/12/96	80	19
0003	Mermentau River at Mermentau, LA	050401	3/11/96	85	34
0003	Mermentau River at Mermentau, LA	050401	4/8/96	290	280
0003	Mermentau River at Mermentau, LA	050401	5/13/96	18	22
0003	Mermentau River at Mermentau, LA	050401	6/10/96	64	1321
0003	Mermentau River at Mermentau, LA	050401	7/9/96	28	14
0003	Mermentau River at Mermentau, LA	050401	8/12/96	11	94
0003	Mermentau River at Mermentau, LA	050401	9/9/96	18	18
0003	Mermentau River at Mermentau, LA	050401	10/14/96	29	20
0003	Mermentau River at Mermentau, LA	050401	11/18/96	33	18
0003	Mermentau River at Mermentau, LA	050401	12/10/96	43	15
0003	Mermentau River at Mermentau, LA	050401	1/7/97	64	20

0003	Mermentau River at Mermentau, LA	050401	2/17/97	75	38
0003	Mermentau River at Mermentau, LA	050401	3/10/97	90	22
0003	Mermentau River at Mermentau, LA	050401	4/14/97	245	124
0003	Mermentau River at Mermentau, LA	050401	5/12/97	150	16
0003	Mermentau River at Mermentau, LA	050401	6/9/97	75	16
0003	Mermentau River at Mermentau, LA	050401	7/14/97	70	15
0003	Mermentau River at Mermentau, LA	050401	8/11/97	26	14
0003	Mermentau River at Mermentau, LA	050401	9/8/97	11	8.7
0003	Mermentau River at Mermentau, LA	050401	10/13/97	27	24
0003	Mermentau River at Mermentau, LA	050401	11/17/97	60	22
0003	Mermentau River at Mermentau, LA	050401	12/8/97	50	20
0003	Mermentau River at Mermentau, LA	050401	1/12/98	54	14
0003	Mermentau River at Mermentau, LA	050401	2/9/98	80	26
0003	Mermentau River at Mermentau, LA	050401	3/9/98	140	80
0003	Mermentau River at Mermentau, LA	050401	4/13/98	600	38
0003	Mermentau River at Mermentau, LA	050401	5/11/98	130	19
0003	Mermentau River at Mermentau, LA	050401	6/8/98	95	6.5
0003	Mermentau River at Mermentau, LA	050401	7/13/98	50	12
0003	Mermentau River at Mermentau, LA	050401	8/10/98	11	10.7
0003	Mermentau River at Mermentau, LA	050401	9/14/98	40	18
0003	Mermentau River at Mermentau, LA	050401	10/12/98	20	5.5
0003	Mermentau River at Mermentau, LA	050401	11/16/98	55	3.6
0003	Mermentau River at Mermentau, LA	050401	12/14/98	40	11.5
0003	Mermentau River at Mermentau, LA	050401	1/12/99	60	19.5
0003	Mermentau River at Mermentau, LA	050401	2/9/99	75	34
0003	Mermentau River at Mermentau, LA	050401	3/9/99	85	27.3
0003	Mermentau River at Mermentau, LA	050401	4/13/99	170	16
0003	Mermentau River at Mermentau, LA	050401	5/11/99	150	19.5
0003	Mermentau River at Mermentau, LA	050401	6/15/99	49	14
0003	Mermentau River at Mermentau, LA	050401	7/13/99	32	6
0003	Mermentau River at Mermentau, LA	050401	8/10/99	23	21
0003	Mermentau River at Mermentau, LA	050401	9/14/99	21	16
0003	Mermentau River at Mermentau, LA	050401	10/12/99	14	11.3
0003	Mermentau River at Mermentau, LA	050401	11/16/99	35	16.5
0003	Mermentau River at Mermentau, LA	050401	12/7/99	40	6.5
0003	Mermentau River at Mermentau, LA	050401	1/11/00	36	22
0003	Mermentau River at Mermentau, LA	050401	2/8/00	60	24
0003	Mermentau River at Mermentau, LA	050401	3/14/00	45	61.5
0003	Mermentau River at Mermentau, LA	050401	4/11/00	110	8
0003	Mermentau River at Mermentau, LA	050401	5/9/00	45	10
0003	Mermentau River at Mermentau, LA	050401	6/13/00	13	9.3
0003	Mermentau River at Mermentau, LA	050401	7/11/00	20	10
0003	Mermentau River at Mermentau, LA	050401	8/8/00	8.3	8
0003	Mermentau River at Mermentau, LA	050401	9/12/00	5.1	4
0654	Mermentau River	050401	6/17/98	260	100
0654	Mermentau River	050401	7/8/98	80	10
0654	Mermentau River	050401	7/22/98	0	0
0654	Mermentau River	050401	8/5/98	17	12.5
0654	Mermentau River	050401	8/19/98	8.4	8

0654	Mermenau River	050401	8/26/98	19	17
0654	Mermenau River	050401	9/2/98	13	11
0654	Mermenau River	050401	9/16/98	60	20
0654	Mermenau River	050401	10/7/98	4.9	10
0654	Mermenau River	050401	10/21/98	9	7
0654	Mermenau River	050401	11/5/98	12	8.5
0654	Mermenau River	050401	11/18/98	33	40
0654	Mermenau River	050401	12/2/98	60	37
0655	Mermenau River (lower)	050402	6/17/98	240	39
0655	Mermenau River (lower)	050402	7/8/98	190	26.5
0655	Mermenau River (lower)	050402	7/22/98	0	0
0655	Mermenau River (lower)	050402	8/5/98	36	15
0655	Mermenau River (lower)	050402	8/19/98	33	16
0655	Mermenau River (lower)	050402	8/26/98	29	16
0655	Mermenau River (lower)	050402	9/2/98	40	22
0655	Mermenau River (lower)	050402	9/16/98	55	24.5
0655	Mermenau River (lower)	050402	10/7/98	60	33
0655	Mermenau River (lower)	050402	10/21/98	55	23
0655	Mermenau River (lower)	050402	11/5/98	85	26
0655	Mermenau River (lower)	050402	11/18/98	40	18.5
0655	Mermenau River (lower)	050402	12/2/98	45	15.5
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/10/78	360	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/7/78	300	465
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/11/78	360	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/9/78	240	164
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/13/78	43	46
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/11/78	60	76
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/14/78	38	34
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/12/78	25	46
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/10/78	28	32
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/12/78	0	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/9/79	130	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/13/79	180	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/13/79	140	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/17/79	170	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/15/79	0	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/11/79	72	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/14/79	0	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/11/79	16	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/9/79	30	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/6/79	48	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/11/79	86	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/15/80	170	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/12/80	225	268
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/11/80	200	254
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/15/80	29	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/12/80	220	354
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/10/80	0	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/13/80	35	42

0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/17/80	44	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/8/80	83	66
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/12/81	125	140
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/9/81	110	86
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/9/81	160	96
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/13/81	160	354
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/11/81	75	64
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/8/81	150	134
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/13/81	67	64
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/10/81	32	82
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/14/81	19	36
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/12/81	27	28
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/16/81	50	64
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/14/81	90	34
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/11/82	115	68
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/8/82	150	96
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/8/82	220	128
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/12/82	215	121
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/10/82	64	140
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/14/82	56	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/12/82	75	50
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/9/82	41	28
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/13/82	34	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/11/82	28	30
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/15/82	57	38
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/13/82	73	34
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/10/83	93	40
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/7/83	130	116
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/14/83	140	120
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/11/83	630	160
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/9/83	440	76
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/13/83	110	34
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/11/83	180	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/9/83	24	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/13/83	68	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/11/83	38	30
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/15/83	125	76
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/12/83	380	180
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/9/84	102	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/14/84	648	140
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/13/84	400	100
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/9/84	2000	110
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/14/84	480	9
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/11/84	68	36
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/9/84	180	74
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/13/84	0	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/10/84	64	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/8/84	60	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/13/84	33	14

0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/10/84	168	50
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/14/85	185	64
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/11/85	408	130
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/11/85	216	52
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/8/85	592	96
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/13/85	324	40
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/10/85	170	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/8/85	111	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/12/85	66	26
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/9/85	22	6
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/14/85	18	6
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/18/85	16	10
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/9/85	133	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/13/86	188	66
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/17/86	365	48
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/17/86	342	28
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/14/86	260	35
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/12/86	315	36
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/10/86	70	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/14/86	63	22
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/11/86	24	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/8/86	29	8
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/13/86	30	18
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/17/86	60	28
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/8/86	66	32
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/12/87	105	60
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/16/87	370	308
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/9/87	165	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/13/87	680	96
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/11/87	76	36
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/8/87	370	188
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/13/87	64	12
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/10/87	32	28
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/14/87	20	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/12/87	38	42
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/16/87	66	36
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/14/87	75	60
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/11/88	100	25
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/8/88	130	116
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/14/88	135	40
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/11/88	875	120
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/9/88	500	60
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/13/88	114	48
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/11/88	95	80
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/8/88	50	42
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/13/88	15	8
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/11/88	92.5	88
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/15/88	70	18
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/13/88	105	92

0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/10/89	80	70
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/14/89	432	110
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/14/89	702	85
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/11/89	576	60
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/9/89	148	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/13/89	85	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/11/89	29	11
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/15/89	64	50
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/12/89	28	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/10/89	44	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/14/89	112	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/12/89	85	40
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/9/90	100	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/13/90	160	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/13/90	119	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/10/90	780	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/15/90	288	68
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/12/90	48	26
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/10/90	217	208
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/14/90	54	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/11/90	40	19
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/16/90	36	8
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/14/90	76	30
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/11/90	110	84
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/15/91	95	34
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/4/91	156	54
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/12/91	396	152
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/15/91	648	330
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/14/91	175	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/10/91	100	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/16/91	39	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/12/91	105	92
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/10/91	60	22
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/14/91	50	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/19/91	83	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/10/91	123	54
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/7/92	160	100
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/10/92	180	70
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/10/92	160	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/6/92	0	220
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/11/92	288	55
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/15/92	140	52
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/14/92	70	22
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/10/92	100	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/15/92	40	30
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/12/92	48	19
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/17/92	105	103
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/14/92	180	58
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/12/93	122	41

0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/8/93	215	62
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/9/93	245	90
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/12/93	252	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/11/93	315	32
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/14/93	170	18
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/13/93	80	50
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/9/93	32	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/14/93	39	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/11/93	50	21
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/16/93	108	77
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/13/93	100	60
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/11/94	185	66
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/7/94	290	92
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/15/94	270	100
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/12/94	450	88
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/11/94	320	88
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/13/94	152	60
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/12/94	90	68
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/8/94	65	26
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/13/94	55	18
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/10/94	40	27
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/15/94	55	13
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/12/94	70	52
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/10/95	240	140
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/13/95	390	100
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/14/95	55	180
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/3/95	600	172
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/9/95	380	156
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/12/95	129	74
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/11/95	70	64
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/14/95	75	62
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/12/95	23	28
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/9/95	60	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/13/95	100	64
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/11/95	35	76
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/8/96	210	137
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/12/96	240	68
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/11/96	450	204
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/8/96	850	420
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/13/96	238	116
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/10/96	158	44
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/9/96	57	56
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/12/96	80	68
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/9/96	15	11
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/14/96	34	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/18/96	41	230
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/10/96	60	20
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/7/97	95	54
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/17/97	180	82

0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/10/97	280	40
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/14/97	624	120
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/12/97	245	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/9/97	365	156
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/14/97	70	26
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/11/97	85	23
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/8/97	34	9
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/13/97	65	18
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/17/97	200	110
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/8/97	100	24
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	1/12/98	87	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	2/9/98	240	100
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	3/9/98	550	130
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	4/13/98	950	30
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	5/11/98	265	26
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	6/17/98	160	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/8/98	75	25
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	7/22/98	0	0
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/5/98	80	30
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/19/98	24	14
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	8/26/98	28	19
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/2/98	29	27
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	9/16/98	30	8
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/7/98	25	16
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	10/21/98	36	23
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/5/98	25	22
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	11/18/98	65	29.3
0046	Bayou Queue de Tortue north of Gueydan, LA	050501	12/2/98	65	21
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/7/78	240	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/11/78	275	120
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/9/78	250	50
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/13/78	36	42
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/11/78	20	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/15/78	20	38
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/10/78	10	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/14/78	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/12/78	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/9/79	100	234
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/13/79	160	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/13/79	160	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/17/79	250	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/15/79	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/12/79	23	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/10/79	22	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/14/79	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/11/79	11	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/8/79	9	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/5/79	15	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/10/79	64	0

0098	Bayou Lacassine near Lake Arthur, LA	050601	1/14/80	215	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/11/80	180	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/10/80	160	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/14/80	250	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/12/80	240	290
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/9/80	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/11/80	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/15/80	8	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/13/80	9	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/17/80	11	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/8/80	60	48
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/12/81	75	46
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/9/81	150	110
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/14/81	150	266
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/8/81	81	68
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/13/81	89	138
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/13/81	6.3	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/17/81	10	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/14/81	28	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/9/82	63	26
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/8/82	120	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/13/82	140	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/11/82	76	38
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/15/82	47	30
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/13/82	21	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/10/82	14	11
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/13/82	12	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/11/82	2.6	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/16/82	14	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/14/82	32	4
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/10/83	66	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/8/83	100	46
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/15/83	85	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/12/83	340	40
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/10/83	260	34
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/14/83	24	13
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/12/83	42	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/8/83	23	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/12/83	4.4	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/10/83	6	6
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/14/83	23	4
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/12/83	100	46
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/9/84	57	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/13/84	0	160
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/12/84	312	40
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/9/84	494	80
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/14/84	342	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/11/84	34	21
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/9/84	11	13

0098	Bayou Lacassine near Lake Arthur, LA	050601	8/13/84	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/10/84	20	23
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/8/84	12	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/13/84	4	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/10/84	136	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/14/85	216	26
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/12/85	352	160
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/11/85	148	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/8/85	420	52
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/13/85	418	36
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/11/85	195	28
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/9/85	111	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/12/85	18	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/9/85	12	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/15/85	12	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/19/85	11	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/10/85	29	2
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/18/86	292	6
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/17/86	142	26
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/15/86	306	112
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/13/86	380	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/10/86	256	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/14/86	27	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/11/86	28	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/9/86	10	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/13/86	5	6
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/18/86	22	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/9/86	54	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/13/87	144	56
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/17/87	260	160
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/10/87	114	36
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/14/87	170	68
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/12/87	130	56
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/9/87	60	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/13/87	23	6
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/11/87	21	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/15/87	2.9	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/12/87	16	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/17/87	33	34
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/15/87	55	5
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/11/88	110	52
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/8/88	140	56
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/15/88	95	48
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/12/88	277	60
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/10/88	500	47
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/14/88	47	26
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/12/88	34	29
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/8/88	16	9
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/13/88	9.5	0

0098	Bayou Lacassine near Lake Arthur, LA	050601	10/11/88	8.1	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/15/88	23	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/13/88	70	44
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/10/89	66	36
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/13/89	144	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/13/89	280	13
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/10/89	333	46
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/9/89	570	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/13/89	28	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/11/89	5	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/15/89	12	15
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/12/89	9	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/9/89	20	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/14/89	16	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/11/89	87.5	52
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/8/90	90	52
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/12/90	120	34
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/12/90	112	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/10/90	315	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/14/90	90	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/12/90	95	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/10/90	144	9
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/14/90	26	21
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/11/90	35	17
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/16/90	17	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/14/90	32	15
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/11/90	65	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/15/91	85	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/5/91	123	34
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/12/91	144	52
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/16/91	350	170
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/14/91	133	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/11/91	15	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/16/91	18	28
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/13/91	20	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/10/91	21	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/15/91	16	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/19/91	53	42
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/10/91	65	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/7/92	70	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/11/92	136	42
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/10/92	150	40
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/7/92	480	84
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/12/92	190	140
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/16/92	48	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/14/92	28	215
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/11/92	25	25
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/15/92	11	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/13/92	20	16

0098	Bayou Lacassine near Lake Arthur, LA	050601	11/17/92	64	34
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/15/92	87.5	33
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/12/93	152	37
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/9/93	140	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/9/93	176	30
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/13/93	210	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/11/93	160	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/15/93	200	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/13/93	16	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/10/93	15	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/14/93	14	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/12/93	20	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/16/93	60	55
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/14/93	65	24
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/11/94	129	40
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/8/94	140	31
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/15/94	150	48
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/12/94	450	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/10/94	200	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/14/94	35	26
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/12/94	39	25
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/9/94	20	19
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/13/94	18	9
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/11/94	12	19
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/15/94	17	19
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/13/94	30	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/10/95	85	46
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/14/95	150	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/14/95	240	60
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/4/95	300	36
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/9/95	240	22
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/13/95	47	9
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/11/95	26	13
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/15/95	5.5	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/12/95	13	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/10/95	21	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/14/95	40	20
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/12/95	55	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/9/96	105	61
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/13/96	140	50
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/12/96	160	52
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/9/96	600	92
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/14/96	324	4
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/11/96	112	124
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/9/96	20	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/13/96	24	16
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/10/96	6.4	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/15/96	11	7.3
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/19/96	72	66

0098	Bayou Lacassine near Lake Arthur, LA	050601	12/10/96	40	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/7/97	45	17
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/18/97	160	66
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/11/97	120	15.3
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/15/97	480	86
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/13/97	80	6
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/10/97	27	10
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/15/97	33	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/12/97	29	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/9/97	12	14
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/14/97	19	27.9
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/18/97	90	12
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/9/97	60	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	1/13/98	104	40
0098	Bayou Lacassine near Lake Arthur, LA	050601	2/10/98	100	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	3/10/98	370	70
0098	Bayou Lacassine near Lake Arthur, LA	050601	4/14/98	500	6
0098	Bayou Lacassine near Lake Arthur, LA	050601	5/12/98	320	9
0098	Bayou Lacassine near Lake Arthur, LA	050601	6/17/98	270	13
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/8/98	26	4
0098	Bayou Lacassine near Lake Arthur, LA	050601	7/22/98	0	0
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/5/98	26	13
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/19/98	11	18
0098	Bayou Lacassine near Lake Arthur, LA	050601	8/26/98	13	8
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/2/98	17	13.5
0098	Bayou Lacassine near Lake Arthur, LA	050601	9/16/98	26	11
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/7/98	9.5	15
0098	Bayou Lacassine near Lake Arthur, LA	050601	10/21/98	4.9	2
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/5/98	5.6	5
0098	Bayou Lacassine near Lake Arthur, LA	050601	11/18/98	75	32
0098	Bayou Lacassine near Lake Arthur, LA	050601	12/2/98	25	9.5
0657	Intracoastal Waterway	050602	6/16/98	220	46
0657	Intracoastal Waterway	050602	7/7/98	0	58
0657	Intracoastal Waterway	050602	7/21/98	160	70
0657	Intracoastal Waterway	050602	8/4/98	170	68
0657	Intracoastal Waterway	050602	8/18/98	75	60
0657	Intracoastal Waterway	050602	9/1/98	40	32
0657	Intracoastal Waterway	050602	9/15/98	29	30
0657	Intracoastal Waterway	050602	10/6/98	9.9	16
0657	Intracoastal Waterway	050602	10/20/98	13	8
0657	Intracoastal Waterway	050602	11/4/98	24	34
0657	Intracoastal Waterway	050602	11/17/98	26	55
0657	Intracoastal Waterway	050602	12/1/98	6.2	4
0658	Bayou Chene	050603	6/17/98	330	85
0658	Bayou Chene	050603	7/8/98	50	22
0658	Bayou Chene	050603	7/22/98	0	0
0658	Bayou Chene	050603	8/5/98	27	23
0658	Bayou Chene	050603	8/19/98	11	14
0658	Bayou Chene	050603	8/26/98	12	11

0658	Bayou Chene	050603	9/2/98	18	14.5
0658	Bayou Chene	050603	9/16/98	20	18
0658	Bayou Chene	050603	10/7/98	11	17
0658	Bayou Chene	050603	10/21/98	12	3
0658	Bayou Chene	050603	11/5/98	35	34
0658	Bayou Chene	050603	11/18/98	95	67
0658	Bayou Chene	050603	12/2/98	40	24
0659	Grand Lake near Talen's Landing	050701	6/17/98	150	53
0659	Grand Lake near Talen's Landing	050701	7/8/98	110	18
0659	Grand Lake near Talen's Landing	050701	7/22/98	0	0
0659	Grand Lake near Talen's Landing	050701	8/5/98	70	25
0659	Grand Lake near Talen's Landing	050701	8/19/98	75	42
0659	Grand Lake near Talen's Landing	050701	8/26/98	70	36
0659	Grand Lake near Talen's Landing	050701	9/2/98	55	64
0659	Grand Lake near Talen's Landing	050701	9/16/98	34	23
0659	Grand Lake near Talen's Landing	050701	10/7/98	30	26
0659	Grand Lake near Talen's Landing	050701	10/21/98	65	32
0659	Grand Lake near Talen's Landing	050701	11/5/98	70	37
0659	Grand Lake near Talen's Landing	050701	11/18/98	45	31
0659	Grand Lake near Talen's Landing	050701	12/2/98	45	27.3
0661	Big Constance Lake	050701	6/16/98	29	50
0661	Big Constance Lake	050701	7/7/98	0	15
0661	Big Constance Lake	050701	7/21/98	7.4	8
0661	Big Constance Lake	050701	8/4/98	25	22
0661	Big Constance Lake	050701	8/18/98	17	16
0661	Big Constance Lake	050701	9/1/98	14	14
0661	Big Constance Lake	050701	9/15/98	40	121
0661	Big Constance Lake	050701	10/6/98	7.5	12
0661	Big Constance Lake	050701	10/20/98	8.3	8
0661	Big Constance Lake	050701	11/4/98	9.2	9
0661	Big Constance Lake	050701	11/17/98	6.7	10.5
0661	Big Constance Lake	050701	12/1/98	13	13
0737	Grand Lake near Hackberry Point, LA	050701	4/13/99	25	4
0660	Intracoastal Waterway at Mile 170	050702	6/24/98	340	338
0660	Intracoastal Waterway at Mile 170	050702	7/15/98	160	52
0660	Intracoastal Waterway at Mile 170	050702	7/29/98	130	88
0660	Intracoastal Waterway at Mile 170	050702	8/12/98	170	164
0660	Intracoastal Waterway at Mile 170	050702	8/26/98	110	92
0660	Intracoastal Waterway at Mile 170	050702	9/9/98	95	91
0660	Intracoastal Waterway at Mile 170	050702	9/23/98	26	23
0660	Intracoastal Waterway at Mile 170	050702	10/14/98	50	38
0660	Intracoastal Waterway at Mile 170	050702	10/28/98	70	39
0660	Intracoastal Waterway at Mile 170	050702	11/10/98	75	57
0660	Intracoastal Waterway at Mile 170	050702	11/24/98	95	87
0660	Intracoastal Waterway at Mile 170	050702	12/9/98	100	82
0310	White Lake SW of Abbeville, LA	050703	1/14/91	99	58
0310	White Lake SW of Abbeville, LA	050703	3/11/91	117	100
0310	White Lake SW of Abbeville, LA	050703	5/13/91	256	76
0310	White Lake SW of Abbeville, LA	050703	7/15/91	74	32

0310	White Lake SW of Abbeville, LA	050703	9/9/91	70	6
0310	White Lake SW of Abbeville, LA	050703	11/18/91	100	42
0310	White Lake SW of Abbeville, LA	050703	1/6/92	62	28
0310	White Lake SW of Abbeville, LA	050703	3/9/92	105	96
0310	White Lake SW of Abbeville, LA	050703	5/11/92	150	72
0310	White Lake SW of Abbeville, LA	050703	7/13/92	160	4
0310	White Lake SW of Abbeville, LA	050703	9/14/92	204	54
0310	White Lake SW of Abbeville, LA	050703	11/16/92	180	100
0310	White Lake SW of Abbeville, LA	050703	1/11/93	216	280
0310	White Lake SW of Abbeville, LA	050703	3/5/93	135	74
0310	White Lake SW of Abbeville, LA	050703	5/10/93	175	128
0310	White Lake SW of Abbeville, LA	050703	7/12/93	125	44
0310	White Lake SW of Abbeville, LA	050703	9/13/93	51	10
0310	White Lake SW of Abbeville, LA	050703	11/15/93	170	76
0310	White Lake SW of Abbeville, LA	050703	1/10/94	210	304
0310	White Lake SW of Abbeville, LA	050703	3/14/94	200	170
0310	White Lake SW of Abbeville, LA	050703	5/9/94	230	72
0310	White Lake SW of Abbeville, LA	050703	7/11/94	85	26
0310	White Lake SW of Abbeville, LA	050703	9/12/94	140	12
0310	White Lake SW of Abbeville, LA	050703	11/14/94	115	44
0310	White Lake SW of Abbeville, LA	050703	1/9/95	140	68
0310	White Lake SW of Abbeville, LA	050703	3/13/95	120	108
0310	White Lake SW of Abbeville, LA	050703	5/8/95	140	96
0310	White Lake SW of Abbeville, LA	050703	7/10/95	180	197
0310	White Lake SW of Abbeville, LA	050703	9/11/95	75	34
0310	White Lake SW of Abbeville, LA	050703	11/13/95	110	60
0310	White Lake SW of Abbeville, LA	050703	1/9/96	100	130
0310	White Lake SW of Abbeville, LA	050703	3/12/96	120	116
0310	White Lake SW of Abbeville, LA	050703	5/14/96	61	22
0310	White Lake SW of Abbeville, LA	050703	7/9/96	55	90
0310	White Lake SW of Abbeville, LA	050703	9/10/96	42	202
0310	White Lake SW of Abbeville, LA	050703	11/19/96	28	23.3
0310	White Lake SW of Abbeville, LA	050703	1/7/97	96	67.5
0310	White Lake SW of Abbeville, LA	050703	3/11/97	87.5	100
0310	White Lake SW of Abbeville, LA	050703	5/13/97	175	128
0310	White Lake SW of Abbeville, LA	050703	7/15/97	180	37.9
0310	White Lake SW of Abbeville, LA	050703	9/9/97	15	23
0310	White Lake SW of Abbeville, LA	050703	11/18/97	120	25
0310	White Lake SW of Abbeville, LA	050703	1/13/98	129	48
0310	White Lake SW of Abbeville, LA	050703	3/10/98	190	80
0310	White Lake SW of Abbeville, LA	050703	5/12/98	230	48
0310	White Lake SW of Abbeville, LA	050703	6/24/98	95	84
0310	White Lake SW of Abbeville, LA	050703	7/15/98	290	174
0310	White Lake SW of Abbeville, LA	050703	7/29/98	160	74
0310	White Lake SW of Abbeville, LA	050703	8/12/98	0	28
0310	White Lake SW of Abbeville, LA	050703	8/26/98	39	16
0310	White Lake SW of Abbeville, LA	050703	9/9/98	32	24
0310	White Lake SW of Abbeville, LA	050703	9/23/98	19	14
0310	White Lake SW of Abbeville, LA	050703	10/14/98	65	22

0310	White Lake SW of Abbeville, LA	050703	10/28/98	55	24
0310	White Lake SW of Abbeville, LA	050703	11/24/98	60	21
0310	White Lake SW of Abbeville, LA	050703	12/9/98	120	114
0029	Mermentau River near Grand Cheniere, LA	050801	3/7/78	40	94
0029	Mermentau River near Grand Cheniere, LA	050801	4/11/78	19	96
0029	Mermentau River near Grand Cheniere, LA	050801	5/9/78	50	120
0029	Mermentau River near Grand Cheniere, LA	050801	6/13/78	25	56
0029	Mermentau River near Grand Cheniere, LA	050801	7/11/78	20	54
0029	Mermentau River near Grand Cheniere, LA	050801	8/15/78	18	28
0029	Mermentau River near Grand Cheniere, LA	050801	10/10/78	24	52
0029	Mermentau River near Grand Cheniere, LA	050801	11/14/78	44	80
0029	Mermentau River near Grand Cheniere, LA	050801	12/12/78	77	148
0029	Mermentau River near Grand Cheniere, LA	050801	1/9/79	210	1830
0029	Mermentau River near Grand Cheniere, LA	050801	2/13/79	140	150
0029	Mermentau River near Grand Cheniere, LA	050801	3/13/79	125	120
0029	Mermentau River near Grand Cheniere, LA	050801	4/17/79	42	92
0029	Mermentau River near Grand Cheniere, LA	050801	5/15/79	34	0
0029	Mermentau River near Grand Cheniere, LA	050801	6/12/79	27	64
0029	Mermentau River near Grand Cheniere, LA	050801	7/10/79	34	0
0029	Mermentau River near Grand Cheniere, LA	050801	8/14/79	0	0
0029	Mermentau River near Grand Cheniere, LA	050801	9/11/79	0	0
0029	Mermentau River near Grand Cheniere, LA	050801	10/8/79	45	88
0029	Mermentau River near Grand Cheniere, LA	050801	11/5/79	19	138
0029	Mermentau River near Grand Cheniere, LA	050801	12/10/79	58	56
0029	Mermentau River near Grand Cheniere, LA	050801	1/14/80	110	182
0029	Mermentau River near Grand Cheniere, LA	050801	2/11/80	145	144
0029	Mermentau River near Grand Cheniere, LA	050801	3/10/80	88	6226
0029	Mermentau River near Grand Cheniere, LA	050801	4/14/80	92	114
0029	Mermentau River near Grand Cheniere, LA	050801	5/12/80	100	308
0029	Mermentau River near Grand Cheniere, LA	050801	6/9/80	0	68
0029	Mermentau River near Grand Cheniere, LA	050801	8/11/80	0	0
0029	Mermentau River near Grand Cheniere, LA	050801	9/15/80	15	42
0029	Mermentau River near Grand Cheniere, LA	050801	11/17/80	81	256
0029	Mermentau River near Grand Cheniere, LA	050801	12/8/80	65	184
0029	Mermentau River near Grand Cheniere, LA	050801	1/12/81	87	306
0029	Mermentau River near Grand Cheniere, LA	050801	3/9/81	34	108
0029	Mermentau River near Grand Cheniere, LA	050801	4/14/81	40	140
0029	Mermentau River near Grand Cheniere, LA	050801	7/13/81	30	18
0029	Mermentau River near Grand Cheniere, LA	050801	10/13/81	56	148
0029	Mermentau River near Grand Cheniere, LA	050801	11/17/81	18	32
0029	Mermentau River near Grand Cheniere, LA	050801	12/14/81	205	0
0029	Mermentau River near Grand Cheniere, LA	050801	2/9/82	225	1148
0029	Mermentau River near Grand Cheniere, LA	050801	3/8/82	160	236
0029	Mermentau River near Grand Cheniere, LA	050801	4/13/82	150	392
0029	Mermentau River near Grand Cheniere, LA	050801	5/11/82	32	46
0029	Mermentau River near Grand Cheniere, LA	050801	6/15/82	82	280
0029	Mermentau River near Grand Cheniere, LA	050801	8/10/82	120	52
0029	Mermentau River near Grand Cheniere, LA	050801	9/14/82	2	42
0029	Mermentau River near Grand Cheniere, LA	050801	10/11/82	17	20

0029	Mermentau River near Grand Cheniere, LA	050801	11/16/82	73	172
0029	Mermentau River near Grand Cheniere, LA	050801	12/14/82	180	220
0029	Mermentau River near Grand Cheniere, LA	050801	1/10/83	59	34
0029	Mermentau River near Grand Cheniere, LA	050801	2/8/83	90	88
0029	Mermentau River near Grand Cheniere, LA	050801	3/15/83	55	100
0029	Mermentau River near Grand Cheniere, LA	050801	4/12/83	200	140
0029	Mermentau River near Grand Cheniere, LA	050801	5/10/83	56	144
0029	Mermentau River near Grand Cheniere, LA	050801	6/14/83	120	260
0029	Mermentau River near Grand Cheniere, LA	050801	7/12/83	33	38
0029	Mermentau River near Grand Cheniere, LA	050801	8/8/83	54	50
0029	Mermentau River near Grand Cheniere, LA	050801	9/12/83	26	30
0029	Mermentau River near Grand Cheniere, LA	050801	10/10/83	38	36
0029	Mermentau River near Grand Cheniere, LA	050801	11/14/83	16	24
0029	Mermentau River near Grand Cheniere, LA	050801	12/12/83	250	170
0029	Mermentau River near Grand Cheniere, LA	050801	1/9/84	20	150
0029	Mermentau River near Grand Cheniere, LA	050801	2/13/84	117	48
0029	Mermentau River near Grand Cheniere, LA	050801	3/12/84	272	360
0029	Mermentau River near Grand Cheniere, LA	050801	4/9/84	259	300
0029	Mermentau River near Grand Cheniere, LA	050801	5/14/84	21	44
0029	Mermentau River near Grand Cheniere, LA	050801	6/11/84	82	94
0029	Mermentau River near Grand Cheniere, LA	050801	7/9/84	22	34
0029	Mermentau River near Grand Cheniere, LA	050801	8/13/84	0	22
0029	Mermentau River near Grand Cheniere, LA	050801	9/10/84	30	32
0029	Mermentau River near Grand Cheniere, LA	050801	10/8/84	16	20
0029	Mermentau River near Grand Cheniere, LA	050801	11/13/84	62	48
0029	Mermentau River near Grand Cheniere, LA	050801	12/10/84	200	184
0029	Mermentau River near Grand Cheniere, LA	050801	1/14/85	29	29
0029	Mermentau River near Grand Cheniere, LA	050801	2/12/85	234	160
0029	Mermentau River near Grand Cheniere, LA	050801	3/11/85	52	34
0029	Mermentau River near Grand Cheniere, LA	050801	4/8/85	117	68
0029	Mermentau River near Grand Cheniere, LA	050801	5/13/85	108	148
0029	Mermentau River near Grand Cheniere, LA	050801	6/11/85	53	80
0029	Mermentau River near Grand Cheniere, LA	050801	7/9/85	22	46
0029	Mermentau River near Grand Cheniere, LA	050801	8/12/85	24	20
0029	Mermentau River near Grand Cheniere, LA	050801	9/9/85	48	34
0029	Mermentau River near Grand Cheniere, LA	050801	10/15/85	153	204
0029	Mermentau River near Grand Cheniere, LA	050801	11/19/85	34	26
0029	Mermentau River near Grand Cheniere, LA	050801	12/10/85	108	58
0029	Mermentau River near Grand Cheniere, LA	050801	2/18/86	98	166
0029	Mermentau River near Grand Cheniere, LA	050801	3/17/86	34	70
0029	Mermentau River near Grand Cheniere, LA	050801	4/15/86	65	154
0029	Mermentau River near Grand Cheniere, LA	050801	5/13/86	96	78
0029	Mermentau River near Grand Cheniere, LA	050801	6/10/86	108	108
0029	Mermentau River near Grand Cheniere, LA	050801	7/14/86	39	76
0029	Mermentau River near Grand Cheniere, LA	050801	8/11/86	33	40
0029	Mermentau River near Grand Cheniere, LA	050801	9/9/86	35	60
0029	Mermentau River near Grand Cheniere, LA	050801	10/13/86	24	64
0029	Mermentau River near Grand Cheniere, LA	050801	11/18/86	32	46
0029	Mermentau River near Grand Cheniere, LA	050801	12/9/86	30	38

0029	Mermentau River near Grand Cheniere, LA	050801	1/13/87	76	52
0029	Mermentau River near Grand Cheniere, LA	050801	2/17/87	126	76
0029	Mermentau River near Grand Cheniere, LA	050801	3/10/87	138	108
0029	Mermentau River near Grand Cheniere, LA	050801	4/14/87	34	46
0029	Mermentau River near Grand Cheniere, LA	050801	5/12/87	26	40
0029	Mermentau River near Grand Cheniere, LA	050801	6/9/87	24	57
0029	Mermentau River near Grand Cheniere, LA	050801	7/13/87	34	24
0029	Mermentau River near Grand Cheniere, LA	050801	8/11/87	68	133
0029	Mermentau River near Grand Cheniere, LA	050801	9/15/87	9.8	24
0029	Mermentau River near Grand Cheniere, LA	050801	10/12/87	57	110
0029	Mermentau River near Grand Cheniere, LA	050801	11/17/87	23	38
0029	Mermentau River near Grand Cheniere, LA	050801	12/15/87	110	256
0029	Mermentau River near Grand Cheniere, LA	050801	1/11/88	120	130
0029	Mermentau River near Grand Cheniere, LA	050801	2/8/88	150	208
0029	Mermentau River near Grand Cheniere, LA	050801	3/15/88	100	150
0029	Mermentau River near Grand Cheniere, LA	050801	4/12/88	175	110
0029	Mermentau River near Grand Cheniere, LA	050801	5/10/88	28	42
0029	Mermentau River near Grand Cheniere, LA	050801	6/14/88	12	27
0029	Mermentau River near Grand Cheniere, LA	050801	7/12/88	28	60
0029	Mermentau River near Grand Cheniere, LA	050801	8/8/88	93	92
0029	Mermentau River near Grand Cheniere, LA	050801	9/13/88	41	68
0029	Mermentau River near Grand Cheniere, LA	050801	10/10/88	87.5	140
0029	Mermentau River near Grand Cheniere, LA	050801	11/15/88	20	37
0029	Mermentau River near Grand Cheniere, LA	050801	12/13/88	17	36
0029	Mermentau River near Grand Cheniere, LA	050801	1/10/89	160	210
0029	Mermentau River near Grand Cheniere, LA	050801	2/13/89	160	364
0029	Mermentau River near Grand Cheniere, LA	050801	3/13/89	50	104
0029	Mermentau River near Grand Cheniere, LA	050801	4/10/89	198	150
0029	Mermentau River near Grand Cheniere, LA	050801	5/9/89	46	48
0029	Mermentau River near Grand Cheniere, LA	050801	6/13/89	47	64
0029	Mermentau River near Grand Cheniere, LA	050801	7/11/89	34	24
0029	Mermentau River near Grand Cheniere, LA	050801	8/15/89	16	27
0029	Mermentau River near Grand Cheniere, LA	050801	9/12/89	12	28
0029	Mermentau River near Grand Cheniere, LA	050801	10/9/89	7.5	19
0029	Mermentau River near Grand Cheniere, LA	050801	11/14/89	97.5	148
0029	Mermentau River near Grand Cheniere, LA	050801	12/11/89	74	68
0029	Mermentau River near Grand Cheniere, LA	050801	1/9/90	140	184
0029	Mermentau River near Grand Cheniere, LA	050801	2/13/90	75	26
0029	Mermentau River near Grand Cheniere, LA	050801	3/13/90	80	64
0029	Mermentau River near Grand Cheniere, LA	050801	4/10/90	50	84
0029	Mermentau River near Grand Cheniere, LA	050801	5/14/90	92.5	58
0029	Mermentau River near Grand Cheniere, LA	050801	6/12/90	17	30
0029	Mermentau River near Grand Cheniere, LA	050801	7/10/90	20	69
0029	Mermentau River near Grand Cheniere, LA	050801	8/14/90	15	37
0029	Mermentau River near Grand Cheniere, LA	050801	9/11/90	20	37
0029	Mermentau River near Grand Cheniere, LA	050801	10/16/90	21	43
0029	Mermentau River near Grand Cheniere, LA	050801	11/14/90	22	42
0029	Mermentau River near Grand Cheniere, LA	050801	12/11/90	29	58
0029	Mermentau River near Grand Cheniere, LA	050801	1/15/91	80	80

0029	Mermentau River near Grand Cheniere, LA	050801	2/5/91	80	44
0029	Mermentau River near Grand Cheniere, LA	050801	3/12/91	170	19
0029	Mermentau River near Grand Cheniere, LA	050801	4/15/91	0	0
0029	Mermentau River near Grand Cheniere, LA	050801	4/16/91	525	122
0029	Mermentau River near Grand Cheniere, LA	050801	6/11/91	36	50
0029	Mermentau River near Grand Cheniere, LA	050801	7/16/91	15	26
0029	Mermentau River near Grand Cheniere, LA	050801	8/13/91	68	68
0029	Mermentau River near Grand Cheniere, LA	050801	9/10/91	22	58
0029	Mermentau River near Grand Cheniere, LA	050801	10/15/91	15	26
0029	Mermentau River near Grand Cheniere, LA	050801	11/19/91	25	54
0029	Mermentau River near Grand Cheniere, LA	050801	12/10/91	38	40
0029	Mermentau River near Grand Cheniere, LA	050801	1/7/92	31	62
0029	Mermentau River near Grand Cheniere, LA	050801	2/11/92	34	44
0029	Mermentau River near Grand Cheniere, LA	050801	3/10/92	170	112
0029	Mermentau River near Grand Cheniere, LA	050801	4/7/92	210	120
0029	Mermentau River near Grand Cheniere, LA	050801	5/12/92	29	60
0029	Mermentau River near Grand Cheniere, LA	050801	6/16/92	26	46
0029	Mermentau River near Grand Cheniere, LA	050801	7/14/92	90	124
0029	Mermentau River near Grand Cheniere, LA	050801	8/11/92	18	45
0029	Mermentau River near Grand Cheniere, LA	050801	9/15/92	14	30
0029	Mermentau River near Grand Cheniere, LA	050801	10/13/92	19	36
0029	Mermentau River near Grand Cheniere, LA	050801	11/17/92	14	108
0029	Mermentau River near Grand Cheniere, LA	050801	12/15/92	198	465
0029	Mermentau River near Grand Cheniere, LA	050801	1/12/93	80	44
0029	Mermentau River near Grand Cheniere, LA	050801	2/9/93	56	20
0029	Mermentau River near Grand Cheniere, LA	050801	3/9/93	80	26
0029	Mermentau River near Grand Cheniere, LA	050801	4/13/93	165	44
0029	Mermentau River near Grand Cheniere, LA	050801	5/11/93	175	54
0029	Mermentau River near Grand Cheniere, LA	050801	6/15/93	27	40
0029	Mermentau River near Grand Cheniere, LA	050801	7/13/93	13	20
0029	Mermentau River near Grand Cheniere, LA	050801	8/10/93	17	22
0029	Mermentau River near Grand Cheniere, LA	050801	9/14/93	105	182
0029	Mermentau River near Grand Cheniere, LA	050801	10/12/93	20	31
0029	Mermentau River near Grand Cheniere, LA	050801	11/16/93	43	102
0029	Mermentau River near Grand Cheniere, LA	050801	12/14/93	270	480
0029	Mermentau River near Grand Cheniere, LA	050801	1/11/94	315	600
0029	Mermentau River near Grand Cheniere, LA	050801	2/8/94	160	94
0029	Mermentau River near Grand Cheniere, LA	050801	3/15/94	30	51
0029	Mermentau River near Grand Cheniere, LA	050801	4/12/94	60	146
0029	Mermentau River near Grand Cheniere, LA	050801	5/10/94	70	50
0029	Mermentau River near Grand Cheniere, LA	050801	6/14/94	80	134
0029	Mermentau River near Grand Cheniere, LA	050801	7/12/94	25	48
0029	Mermentau River near Grand Cheniere, LA	050801	8/9/94	36	77
0029	Mermentau River near Grand Cheniere, LA	050801	9/13/94	17	31
0029	Mermentau River near Grand Cheniere, LA	050801	10/11/94	25	63
0029	Mermentau River near Grand Cheniere, LA	050801	11/15/94	15	36
0029	Mermentau River near Grand Cheniere, LA	050801	12/13/94	60	82
0029	Mermentau River near Grand Cheniere, LA	050801	1/10/95	90	85
0029	Mermentau River near Grand Cheniere, LA	050801	2/14/95	140	168

0029	Mermentau River near Grand Cheniere, LA	050801	3/14/95	250	240
0029	Mermentau River near Grand Cheniere, LA	050801	4/4/95	115	58
0029	Mermentau River near Grand Cheniere, LA	050801	5/9/95	170	29
0029	Mermentau River near Grand Cheniere, LA	050801	6/13/95	20	31
0029	Mermentau River near Grand Cheniere, LA	050801	7/11/95	22	41
0029	Mermentau River near Grand Cheniere, LA	050801	8/15/95	9.8	40
0029	Mermentau River near Grand Cheniere, LA	050801	9/12/95	27	104
0029	Mermentau River near Grand Cheniere, LA	050801	10/10/95	30	94
0029	Mermentau River near Grand Cheniere, LA	050801	11/14/95	75	132
0029	Mermentau River near Grand Cheniere, LA	050801	12/12/95	16	19
0029	Mermentau River near Grand Cheniere, LA	050801	1/9/96	90	148
0029	Mermentau River near Grand Cheniere, LA	050801	2/13/96	75	95
0029	Mermentau River near Grand Cheniere, LA	050801	3/12/96	38	240
0029	Mermentau River near Grand Cheniere, LA	050801	4/9/96	40	230
0029	Mermentau River near Grand Cheniere, LA	050801	5/14/96	42	74
0029	Mermentau River near Grand Cheniere, LA	050801	6/11/96	23	130
0029	Mermentau River near Grand Cheniere, LA	050801	7/9/96	27	74
0029	Mermentau River near Grand Cheniere, LA	050801	8/13/96	80	208
0029	Mermentau River near Grand Cheniere, LA	050801	9/10/96	30	54
0029	Mermentau River near Grand Cheniere, LA	050801	10/15/96	60	97.1
0029	Mermentau River near Grand Cheniere, LA	050801	11/19/96	32	42
0029	Mermentau River near Grand Cheniere, LA	050801	12/10/96	76	90
0029	Mermentau River near Grand Cheniere, LA	050801	1/7/97	80	96
0029	Mermentau River near Grand Cheniere, LA	050801	2/18/97	75	38
0029	Mermentau River near Grand Cheniere, LA	050801	3/11/97	87.5	42
0029	Mermentau River near Grand Cheniere, LA	050801	4/15/97	136	46
0029	Mermentau River near Grand Cheniere, LA	050801	5/13/97	136	28
0029	Mermentau River near Grand Cheniere, LA	050801	6/10/97	37	50
0029	Mermentau River near Grand Cheniere, LA	050801	7/15/97	26	12
0029	Mermentau River near Grand Cheniere, LA	050801	8/12/97	21	26
0029	Mermentau River near Grand Cheniere, LA	050801	9/9/97	17	23
0029	Mermentau River near Grand Cheniere, LA	050801	10/14/97	180	288
0029	Mermentau River near Grand Cheniere, LA	050801	11/18/97	65	80
0029	Mermentau River near Grand Cheniere, LA	050801	12/9/97	120	164
0029	Mermentau River near Grand Cheniere, LA	050801	1/13/98	187	120
0029	Mermentau River near Grand Cheniere, LA	050801	2/10/98	120	120
0029	Mermentau River near Grand Cheniere, LA	050801	3/10/98	160	8
0029	Mermentau River near Grand Cheniere, LA	050801	4/14/98	110	152
0029	Mermentau River near Grand Cheniere, LA	050801	5/12/98	27	37.6
0029	Mermentau River near Grand Cheniere, LA	050801	6/16/98	160	216
0029	Mermentau River near Grand Cheniere, LA	050801	7/7/98	0	68
0029	Mermentau River near Grand Cheniere, LA	050801	7/21/98	38	52
0029	Mermentau River near Grand Cheniere, LA	050801	8/4/98	37	56
0029	Mermentau River near Grand Cheniere, LA	050801	8/18/98	15	34
0029	Mermentau River near Grand Cheniere, LA	050801	9/1/98	36	64
0029	Mermentau River near Grand Cheniere, LA	050801	9/15/98	85	24
0029	Mermentau River near Grand Cheniere, LA	050801	10/6/98	220	296
0029	Mermentau River near Grand Cheniere, LA	050801	10/20/98	120	144
0029	Mermentau River near Grand Cheniere, LA	050801	11/4/98	200	314

0029	Mermentau River near Grand Cheniere, LA	050801	11/17/98	180	234
0029	Mermentau River near Grand Cheniere, LA	050801	12/1/98	120	111
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	6/16/98	90	112
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	7/7/98	0	52
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	7/21/98	16	52
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	8/4/98	55	78
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	8/18/98	16	24.5
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	9/1/98	90	156
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	9/23/98	45	90
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	10/6/98	450	556
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	10/20/98	400	708
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	11/4/98	45	74
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	11/17/98	90	112
0662	Mermentau River Basin Coastal Bays and Gulf Waters	050901	12/1/98	650	980